OUR STATE ARMY AND NAVY

A JOURNAL FOR OUR VOLUNTEER SOLDIERS.

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GENERAL E. W. ALEXANDER

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SCHOOL FOR COMPANY COMMANDERS

By LIEUT. WM. E. NEWBERRY, 13TH INFANTRY

1. (250) What commands of the Major do Captains repeat and what do they not?

Ans. (a) Such as are to be immediately executed by their Companies.

(b) Such as are not essential to execution of a movement by their Companies.

2. (253) How are the Companies of a Battalion arranged in line, from 2 to 6?

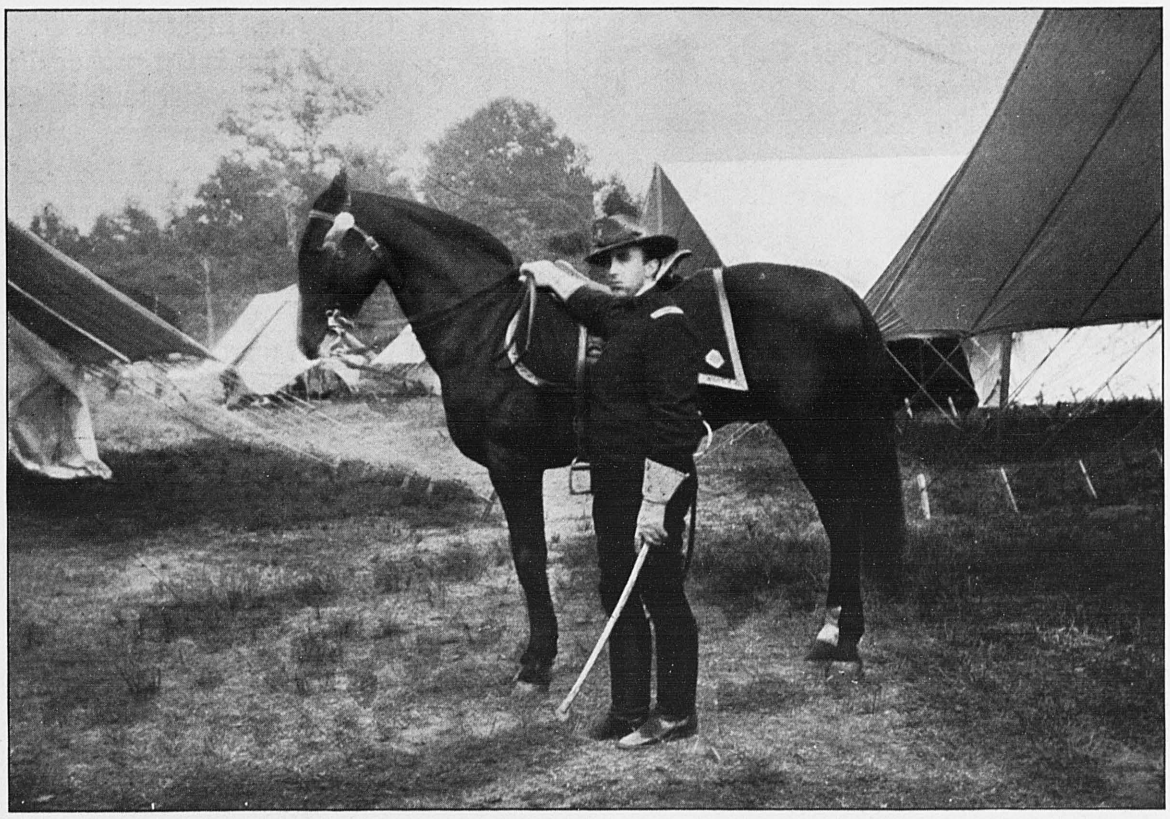
Ans. According to rank of Captains, senior or right, others as per diagram, p. 94.

3. (254) Where is the Color located and its guard?

Ans. With the original right center Co. Color bearer between the guides of right and left center Co.'s guard in line of file closers. In column the Color is between the wings, abreast of guide of Color Co.

4. (257) What is done at the sounding of the Assembly?

Ans. Companies are formed on their parade grounds.



MAJOR CHARLES S. MILLER,

DIVISION STAFF, FRANKLIN, PA.

5. (257) What at Adjutant's Call?

Ans. Companies are marched to point of formation of Battalion.

6. (257) In what order are Companies formed in the Battalion?

Ans. The right center, or center Co. first, the left center, and right Co.'s next, and the left Co. last.

7. (258) Where do Captains stand when dressing their Companies in line?

Ans. On the line, on flank toward which they dress, facing front, returning to post in front of center after commanding "Front."

8. (263) What position do Co. and Staff Officers take in open ranks?

Ans. At command "March" they place themselves opposite their posts in line, 3 paces in advance of front rank and dress to right without command.

9. (267) The Major commands "Fire by Company," "One (2 or 3) volley," "Commence Firing"—what do the Captains do?

Ans. The Captains of the odd numbered Co.'s command "(such) Co. at (such an object) at (so many) yards—Company Ready, Aim, Fire, Load." The even numbered Co.'s follow when the odd Co.'s on their right are at load. The odd follow the even Co.'s on their left.

10. (270) The Major commands "Dismiss your Co.'s"—what is done?

Ans. Each Captain conducts his Co. to its parade ground and dismisses it.

11. (272) The Major commands "Guide center"—what is done?

Ans. The Captains in the right wing command "Guide left," those in the left wing "Guide right."

12. (279) The Major commands, "Captains rectify the Alignment."

Ans. The Captains of the center Co.'s dress their Co.'s to the center, those on right and left follow as soon as first assume "front."

13. (284) Being in line the Major commands, "Column of fours, break from the right to march to the left, March."

Ans. The Captain of the right Co., "Right forward fours right, "March," and when at Co. distance "Column left, March." The others follow in time to join the column.

14. (289) Being in column of fours, at a halt, the Major commands, "On right into line, March."

Ans. First Co. "On right into line, March," others "Forward, March" and "On right into line, March" when opposite their places in line.

15. (290) In column of fours, halted, "Right front into line, March."

Ans. First Co. "Right front into line double time, March." Second Co. "Forward Column Right, March" and "Column Left, March" when opposite its place in line, and "Right front into line double time, March" when Co. distance from the line. Other Co.'s "Forward Column half right, March" and "Column half left, March" when opposite their places in line, and twice Co. distance from the line, and "Right front into line double time, March" when Co. distance from it.

16. (291) "Right front into line faced to the rear, March."

Ans. Executed as above, except that each Captain halts his Co. just beyond the line, and wheels it about by fours toward the point of rest.

17. (293) In Column of fours, having changed direction to the right, "Fours left, rear Co.'s left front into line, March."

Ans. The Companies that have changed direction execute "Fours left." Rear Co.'s execute left front into line.

18. (295) (a) If "Faced to the rear" is added.

Ans. Each Captain wheels his Co. about by fours on halting.

(b) In wheeling about by fours, are pieces brought to right shoulder?

Ans. Yes, but it is better for Captains to command, "Trail Arms," before wheeling. (See add. interp., par. 314.)

19. (298) What is proper distance between Co.'s in column?

Ans. Length of Co. front, plus 3 paces.

20. (301) In line, "Right of Co.'s rear into Column, March."

Ans. Each Captain commands, "Fours right Column right, March," and moves at "March" to right of his Co., halts, and commands, "Fours left, March," as rear four passes him.

21. (302) Marching in Column of fours. "Column of Companies, First Co. Fours right, March."

Ans. First Co., "Fours right, March." Other Co.'s, "Fours right, March," as they arrive on same ground.

22. (303) Column of fours to right or left is similarly formed from Column of Co.'s.

23. (304) In line, halted. "Co.'s break from the right to march to the left, March."

Ans. First Co., "Forward, guide left, March," and when at Co. distance "Left turn, March." Other Co.'s same movement in time to follow at full distance.

24. (306) On halting the Column of Co.'s guides stand fast without correcting distance or alignment.

25. (308) In Column at full distance, "Column Right, March."

Ans. First Co., "Right turn, March," "Forward, March." Others same as they arrive on same ground.

26. (312) In Column at full distance, Marching. "On right into line," "March."

Ans. First Co., "Right turn, March," and "Co. Halt," when Co. distance to the right. Others continue the march, and turn with command, when opposite the right of their places in line.

27. (313) In Column at full distance halted. "Right front into line," "March."

Ans. First Co., "Forward, guide left, March," "Co. halt," when Co. distance to the front. Second Co., "Right forward, fours right, March," and "Column right, March," when near the line, and "Fours left, March," "Co. halt," "Left dress," when opposite its place in line. Other Co.'s, "Fours right, Column half left, March," and "Column half right, March," when near the line, then "Fours left, March," "Co. halt, left dress."

28. (315) In line, "Change front on first Co.," "Companies right half turn," "March."

Ans. First Co., "Right turn, March." Other Co.'s, "Right half turn, March," and "Right half turn, March," when right of Co. is opposite its place in line.

29. (320) In line,"Companies right forward four right, March."

Ans. All Co.'s execute the movement without command from the Captains.

30. (323) In line of Co.'s in Columns of fours, "Change direction to the right, March."

Ans. First Co., "Column right, March." Other Co.'s, "Column half right, March," and "Column half right, March," when Co. distance abreast of the first.

31. (325) In Column of fours, Marching, "Right front into line of Companies in Columns of fours, March."

Ans. First Co., "Continue the March," and "Co. halt," at Co. distance. Other Co.'s, "Column half right, March," and "Column half left, March," when full interval is gained and "Co. halt" abreast of first Co.

32. (325) What is "Close interval?"

Ans. Eight paces.

33. (326) In Column of fours, Marching, "On right into line of Companies in Columns of fours, March."

Ans. First Co., "Column right, March," and "Co. halt," when at Co. distance and 12 paces (to clear the rear fours). Other Co.'s, "Column right, March," when opposite its place, and "Co. halt," abreast first Co.

34. (332) In line of Co.'s in Columns of fours, "On (2d) Co. close intervals, March."

Ans. First Co., "Column half left, March," and "Column half right, March," when at 8 paces from first Co. Second Co., "Continue the March." Third and Fourth Co.'s, "Column half right, March," and "Column half left, March," when 8 paces from next Co. on right.

35. (334) (a) What is distance between Co.'s in "Close Column" or "Mass?"

Ans. Eight paces.

(b) What is the proper distance of file closers from the rear rank in close Column?

Ans. One pace.

36. (335) (a) In Column of Companies at full distance, halted, "Close in Mass, guide right, March."

Ans. First Co., "Stand fast." Other Co.'s, "Forward, guide right, March," and "Co. halt," when 8 paces from the Co. next preceding.

(b) If marching in quick time?

Ans. First Co., "Co. halt," at command "March." Other Co.'s, "Co. halt," when closed to eight paces.

(c) In this, as in other successive formations, if the Major commands "Battalion halt," during the execution of the movement, what is done?

Ans. Only those Companies halt which have completed their part of the movement. Others halt successively on reaching their proper places.

37. (336) (a) In Close Column, halted, "Take full distance, guide right, March,"

Ans. First Co., "Forward, guide right, March." Other Co.'s, "Forward, guide right, March," when the next preceding Co. is at full distance.

(b) If marching in quick time?

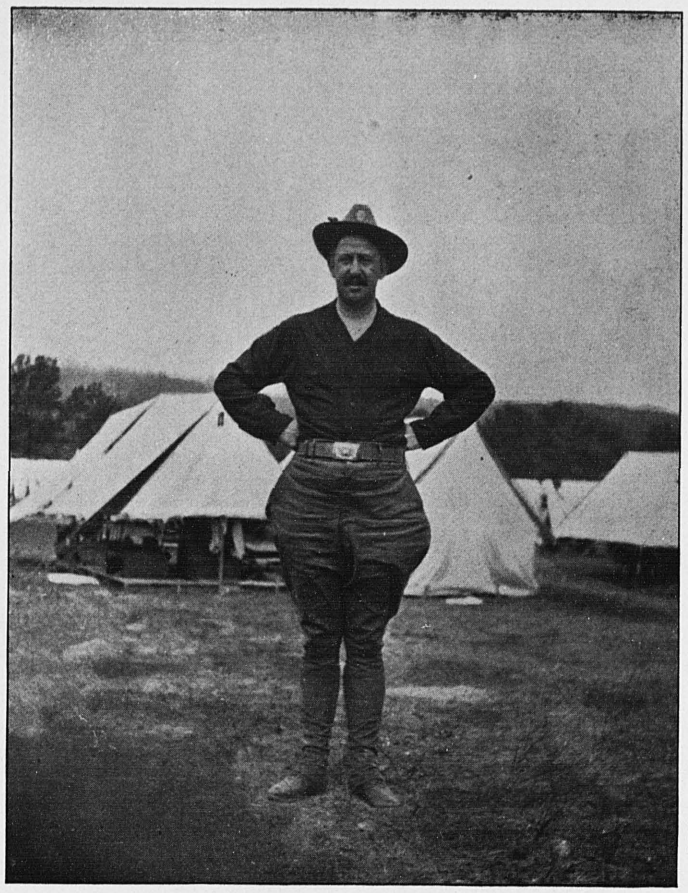
Ans. First Co., "Continue the March." Other Co.'s, "Co. halt," and "Forward, guide right, March," when at full distance.

38. (338) In line, halted, "Close Column on First Co., Fours right, March."

Ans. First Co., "Forward, guide left, March," and "Co. halt, left dress," on advancing twelve paces. Second Co., "Fours right, March," and "Fours left, March," "Co. halt," when in rear of first Co. "Left dress," when left guide has been posted by the Captain, eight paces in rear of left guide of first Co. Other Co.'s, "Fours right, March," "Column half right, March," on completing wheel, "Column half left, March," on arriving in rear of preceding Co.'s, and "Fours left, Co. halt," when opposite their places, "Left dress," as for Second Co.

39. (339) In Column of fours, Marching, "Close Column, First Co., Column right, March."

(Continued on page 6.)



BEFORE

BEFORE AND AFTER

The trousers in the above illustration will be worn at the next encampment. They are made of the best State regulation fibre duck, manufactured at the State Arsenal by Colonel Richardson, are re-enforced and heavily padded, combining durability with comfort, and are specially adapted for the Quartermaster Department. In appearance they very much resemble the regulation English khaki.

FIFTH REGIMENT NOTES

The annual report for the year ending November 30 has just been forwarded to brigade headquarters. It tells of all the events of the year, but there is nothing of any startling importance in it. The report shows that the regiment or portions of it have participated in two parades in addition to the tour of duty at Mt. Gretna.

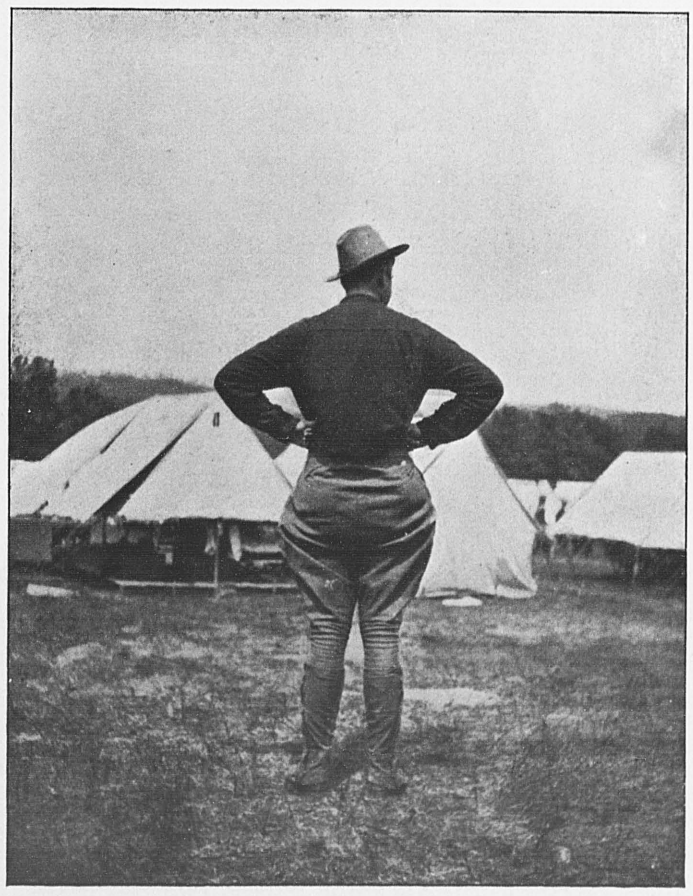
A move is now on foot to take advantage of the offer of Major-General Charles Miller to pay half of the cost of an ambulance if the regiment pays the other half, and already over $125 of the amount has been pledged by the different companies, with three captains yet to hear from.

The change in the organization of the Guard is still provoking a good deal of comment among the members of the regiment, and the question seems only to be, what companies from some other regiment are to be assigned to the Fifth to make it a 12-company organization?

Three of the officers of the regiment were a board of judges at the competitive drill held at the Pennsylvania Industrial Reformatory on Thanksgiving. The inmates put up a drill that would make many a N. G. P. company look sick.

The companies are getting down to work for the spring inspection, and regular weekly drills show an attendance of from 65 to 85 per cent. of the men composing the companies.

An interesting ceremony took place at the 1st Brigade headquarters on Saturday evening, December 8th, when Lieutenant-Colonel William F. Richardson was presented with a beautifully engrossed set of resolutions, and Major D. S. B. Chew, ordnance officer, 1st Brigade, with a handsome regulation sword, from the several rifle teams of the 1st Brigade, in recognition of their valuable services rendered during the annual State rifle and revolver competition at Mt. Gretna in September last.



AFTER

Lieut. William L. Dungan and Staff on special duty at Mt. Gretna.

Ans. First Co., "Column right, March," and "Fours left, March," "Co. halt, left dress," when last four has advanced twelve paces from the Column. Other Co.'s, "Continue the March," and "Column right, etc.," as for first Co., when in position to enter Column, eight paces from Co. next preceding.

40. (342) In Close Column, halted, "Column of fours, First Co., Right forward fours right, March."

Ans. First Co., "Right forward fours right, March." Others, same in time to form Column of fours in rear of next preceding Co.

41. (344) In Close Column, Marching, "Change direction by the right flank, fours right, March."

Ans. First Co., "Right forward fours right, March," and "Fours left, March," when rear four completes wheel to front, "Co. halt," "Left dress." Other Co.'s, "Fours right, Column half left, March," and "Column half left, March," when eight paces in rear of line of Co. next preceding, and "Fours left, March," "Co. halt, left dress," when opposite their places in line.

42. (346) In Close Column, halted, "Deploy Column, fours right, March."

Ans. First Co., "Stand fast," "Left dress." Other Co.'s, "Fours right, March," and "Fours left, March," "Co. halt, left dress," when opposite their places in line.

43. (353) In Column of platoons, Marching, "Right front into line, March."

Ans. First Co., "Form Company, right oblique, March," and "Co. halt," "Left dress," when in line. Other Co.'s, "Column half right, March," and "Column half left, March," when opposite its place in line, and "Form Company, right oblique, etc.," as for First Co.

44. (354) (a) What is a Platoon Column?
Ans. A Company in Column of platoons.
(b) What is Full interval, in line of platoon Columns?
Ans. Platoon front and three paces.

45. (367) (a) In Column of Companies, Marching, "Street Column, March."
Ans. First Co., "Co. halt." Second Co., "Right forward, fours right, March," and "Co. halt," when four paces from First Co. Third Co., "Left forward, fours left, March," and "Co. halt," when four paces from First Co. Fourth Co., "Co. halt," when near the second and third Co.'s.

(b) In Street Column, Marching, "Form Square, March."
Ans. First Co., "Co. halt." Second Co., "Fours right, March," "Co. halt." Third Co., "Fours left, March," "Co. halt." Fourth Co., "Co. halt," "About face."

Pennsylvania Industrial Reformatory, Huntingdon, Pa.

THANKSGIVING DAY

HOW IT WAS OBSERVED AT THE REFORMATORY

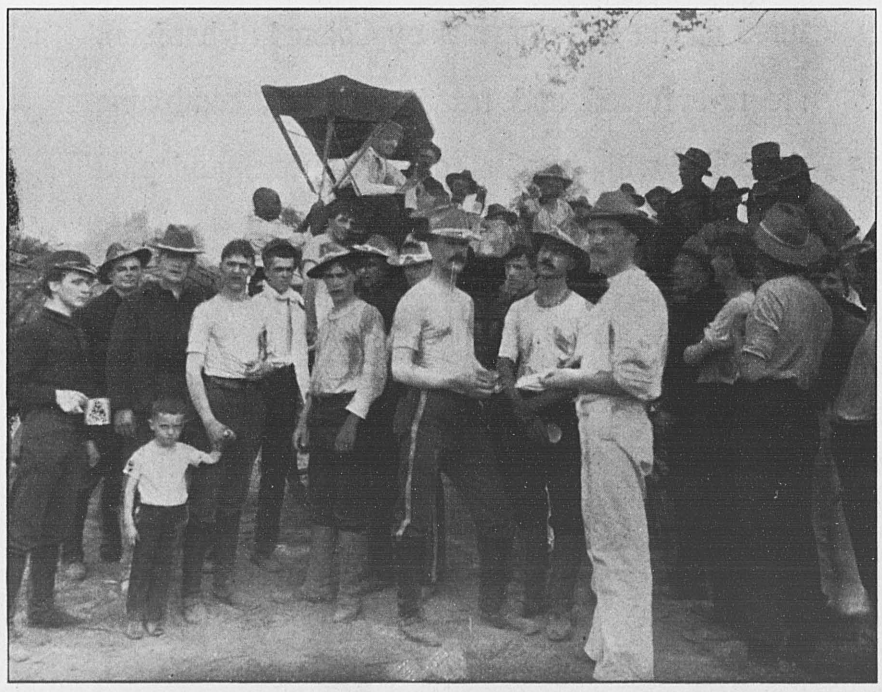
RESULT OF THE COMPETITIVE DRILL

To say that there is a lack of interest at the Reformatory as to the observance of Thanksgiving Day would be a misrepresentation of facts. Since the opening of the institution those in charge have carefully and wisely planned for its proper observance, and the arrangements for Thursday did not fall behind, but in many respects surpassed those of former years.

The majority of inmates, except those engaged in preparing and serving the dinner, spent a greater part of the forenoon reading in their cells, and at 11.30 the triangles in the various wards were tapped for dinner. The meal consisted of chicken, potatoes, dressing, bread and coffee, and the boys enjoyed it hugely.

The event of the day was the competitive drill. At 1.30 the bugle sounded from the guard room and the military companies were formed in the cell houses and marched to the drill grounds, where they were equipped with guns, belts, etc. While the regular companies were making ready the men who are not members were formed in squads and marched to the ground, where they were stationed on the west side and had a splendid view of the drill.

According to the program, dress parade was first in order, followed by battalion drill and battalion review. Each company in succession then executed the manual of arms (by the numbers and without the numbers), after which they engaged in discretionary drill, confined to movements by platoons. The battalion was re-



"Post Exchange Officer" visiting First Brigade Boys after the review.

viewed by Captain E. K. Roop, one of the judges. The movements of the respective companies were closely watched by the judges, and they rendered the following report, which was posted on the bulletin board in the guard room:

HUNTINGDON, PA., NOV. 29, 1900.

Mr. T. B. PATTON,
Gen'l Supt. P. I. R.,
Huntingdon, Pa.

Sir:—The undersigned Board of Judges in the competitive drill held on the above date by the Reformatory Battalion beg leave to submit the following report:

We find the ratings for the battalion as a whole to be:

Dress parade	90	per cent.
Battalion drill	95	per cent.
Battalion review	90	per cent.
General average	91 2-3	per cent.

FOR EACH COMPANY.

Company A.—Manual of arms, 96 per cent.; discretionary drill, 90 per cent.; general average, 93 per cent. Time, 12 minutes.

Company B.—Manual of arms, 95 per cent.; discretionary drill, 92 per cent.; general average, 93½ per cent. Time, 10 minutes.

Company C.—Manual of arms, 94 per cent.; discretionary drill, 90 per cent.; general average, 92 per cent. Time, 12 minutes.

Company D.—Manual of arms, 94 per cent.; discretionary drill, 86 per cent.; general average, 90 per cent. Time, 17 minutes.

The battalion movements were well executed except street column formation, where the men of the third company have been wrongly instructed.

The formation of the battalion was excellent and reflects great credit upon the officers conducting the same.

Very respectfully,

ELMER K. ROOP,
Capt. and Adjt. 5th Inf., N. G. P.
W. E. MACKEY,
First Lieut. and Adjt. 5th Regt. Inf., N. G. P.
S. ROYER DIBERT,
First Lieut. Co. C, 5th Regt., N. G. P.

As will be seen from the above report, the men made a good showing and the companies are pretty evenly matched. All are deserving of praise, and Company B is to be congratulated in winning the prize, it being the only time that they have attained first place in the five competitive drills held. The band maintained its reputation as a first-class musical organization by rendering several marches for the occasion.

A number of persons from Huntingdon witnessed the drill, among whom were Major John S. Bare, Captain J. C. Dunkle and Lieutenant Goodman, all of the Fifth Regiment, National Guard of Pennsylvania. With the exception of being a trifle cold, the weather was delightful for this time of year, and the exercises of the day were greatly enjoyed by all. The following note relative to the drill is taken from yesterday's Altoona Times:

COMPETITIVE DRILL AT REFORMATORY.

A competitive drill was held at the Pennsylvania Industrial Reformatory, Huntingdon, yesterday afternoon, and the judges of the drill were Messrs. W. E. Mackey and Elmer K. Roop, of this city, and S. Royer Dibert, of Hollidaysburg. The four companies participating in the drill were so matched that there was only 3½ per cent. between the winning company and the lowest one. Company B, in command of Captain Isenberg, won the drill, with a percentage of 93½. The company will, therefore, feast on turkey one of these fine days as one of the rewards for its proficiency, and will also have the right of line in the battalion formation.

In the evening at 7.30 the inmates assembled in the chapel and listened to an instructive lecture by Rev. F. L. Bergstresser, pastor of the Lutheran church in Tyrone, who gave an account of the Passion Play, in Oberammergau, Bavaria, where he witnessed it last summer. The lecture was illustrated with views thrown on canvas of the various parts of the play, and was listened to with much interest.

Thus was the day closed, and let us hope that in recounting its memories all may be enabled to retain some of the lessons taught and that as a result there may be established in the life of each higher and nobler principles.

GOVERNOR WM. A. STONE AND STAFF, AT MT. GRETNA.

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Advertising Rates

Furnished on application. The value of this Journal can be seen at a glance. If you have anything that Soldiers should be interested in, this is the proper place to display it.

IT HAS been suggested that if Mr. Andrew Carnegie wants a fitting monument in the city of Pittsburgh let him build an armory for the 14th and 18th Regiments and Battery "B." This would not only be a memorial gift of the great steel king, but would practically serve him with protective insurance, as his great business and the Guard have a common interest involved. The drill-room would be the workshop of instruction for the soldiers.

MANY officials may shake their heads at this announcement, but the time has come when the great State of Pennsylvania must not only look after the equipment of its troops, but give the organizations suitable armories. Officers and men who are serving the community without compensation are beginning to declare themselves on this point, and a concerted movement is now on foot to bring this important matter to an issue at the coming session of the Legislature. An earnest appeal will be made, regardless of party. It would not be surprising to see one hundred or more officers in full uniform visiting Harrisburg during the session.

THE 4th Regiment seemed to have its own trouble with music during the Shenandoah campaign. It is simply the old story over again; the inconsistency of enlisting professional brass musicians for field service. Each regiment should have the prescribed field music, and in the event of an emergency, these men being soldiers, would only know duty to the State.

THE editor of "Our State Army and Navy" Journal wishes to express his appreciation in the compliment paid the Journal by the First Troop, Philadelphia City Cavalry, and the Second Regiment infantry, through Captain John C. Groome, Lieutenant Hugh Craig, Jr. (retired), and Colonel Henry T. Dechert, in placing a copy of the Journal in the corner-stones of their respective new Armories.

Personal Mention

A tabulated form, by matter of reference, will appear in the next issue of the Journal.

The mounted commands are reported as having done excellent work, unusually so with the First Troop and Battery "C."

During the line of march Lieutenant-Colonel Hartung was thrown from his horse, which slipped on the icy pavement, and was painfully injured.

Major A. L. Williams of the 1st Infantry will accompany the officers to Harrisburg when the war standards are presented to the Adjutant-General.

Major William A. Witherup, former commander of the State Fencibles, states that a strong effort will be made to reinstate the four Fencible companies in the Guard.

We are pleased to note the recommendation of Major Sweeney regarding the canvas uniform. This is the only effective and serviceable dress for field work, and we hope to see every command wearing the same at the next encampment.

The new brass band of the Second Regiment is under the leadership of Sergeant Harry M. Staton. He is a composer of some note and closely associated with Lieutenant Frank Palmer of the 3d Regiment, who have jointly presented the comic opera known as "The Wanderer."

In the appointment of Captain Drake, Company "I," 13th Infantry, to aide-de-camp on General Gobin's staff, Colonel Watres loses one of his best captains. First Lieutenant Robert Horn is mentioned as the possible candidate to fill the position made vacant by the promotion of Captain Drake, and it is also expected that Lieutenant Clemens will be elevated "one bar" and that the company will present First Sergeant Smith with the plain shoulder straps. This will bring Sergeant LeRoy Meeker in line for the "lozenge." A better quartette would be hard to find in the service.

The Inspections.

The report of the Inspector-General upon the inspections during the tour of duty at Camp Hawkins has been so widely published in the daily papers that it seems unnecessary to dwell on its details in the Journal. Many officers expected that, owing to the recent reorganization of the Guard, from the fact that nearly 60 per cent of the enlisted men were recruits, that the camp inspection would fall far below the former high standard. This was not the case, however, and we can safely say that the Guard of to-day is just as efficient as it was before the mobilization of the troops at Mt. Gretna, prior to their entry into the United States service for the Spanish-American War; in fact, the personnel of several of thereg-iments is much better than in former years.

Inspector-General Sweeney states that the camps were the best in the history of the Guard. The alignment of the tents, the arrangements made for drainage at the water spigots and the incineration of refuse matter were admirable, evidencing commendable attention to sanitary acquirements.

The prize offered by Quartermaster-General Thomas Potter, Jr., no doubt was a strong incentive for the several regimental quartermasters to exemplify their skill in perfecting their several camps, and the further knowledge that the condition of the camp would be a factor in the rating for discipline stimulated the commands to greater efforts.

The Second Regiment's New Armory.

The time-honored Second Regiment celebrated the sixtieth anniversary December 11th, and as an incident Governor Stone as commander-in-chief of the National Guard formally laid the corner-stone of the new Administration Building.

The regiment paraded sixteen solid files, the formation being in line of masses facing the Armory, and notwithstanding a driving fall of snow the men throughout the ceremony showed a remarkable steadiness.

In addition to the active command, the Survivors' Association of the 90th Pennsylvania Volunteers, from which the Second originated, paraded twenty-five of its old comrades under the leadership of Colonel Jacob M. Davis. The Old Guard, composed of ex-officers and members of the active regiment, paraded about seventy-five strong, under the command of Major Ladner.

Colonel Dechert's arrangements were admirably carried out, and the passing of the regiment in review at the Union League caused much commendation.

The banquet in the evening in which the officers of the regiment, the Old Guard and the Survivors' organization combined was a thorough social success. Unfortunately, Governor Stone and his staff could not attend the evening function, as it was necessary for them to take the five o'clock train for Washington, D. C., in order to participate in the centennial celebration of the Capital City

Time and space will not permit giving a full history of the famous old command, but a full description will be noted in the next issue.

CORRESPONDENCE.

Mr. Charles J. Hendler,

Editor "Our State Army and Navy Journal,"

Philadelphia, Pa.

My Dear Sir:—In the October number of your excellent publication your first article, in speaking of the famous 1st Troop, Philadelphia City Cavalry, terms it the oldest military organization in the United States.

Have you not in this statement overlooked the Ancient and Honorable Artillery Company of Massachusetts, organized in 1637 and chartered by the State March 13, 1638? It was therefore hoary with age and loaded with honors when, on November 17, 1774, the splendid City Troop was organized.

Every year an elegantly bound annual report, giving in detail all the work of this so-called "company" (in reality a regiment) is published. This volume contains, in addition to the names of all members elected and the roll of honor of the dead for the year, the interesting descriptions of the Spring Meeting and Fall Field Day, including stenographic reports of all speeches made.

In addition, there lie before me as I write this the three richly bound and elegantly illustrated large volumes of the history of the company from 1637 to 1865. A fourth volume, soon to appear, will complete this century. In this history the record of every man who ever served in the company is given. The immensity of this record may be imagined when it is known that the organization now has about seven hundred members, and about fifty thousand men have served in its ranks.

Members of the Cabinet of the United States, Governors of the State, United States Senators and Representatives, Major-Generals and other public men by the hundred have been enrolled in its ranks. On the occasion of its Fall Field Day parade in Montreal, Canada, October 4, 1900, five brigadier-generals marched in its ranks as privates, besides innumerable colonels, members of Congress and high State officials.

"The Weimer Medal," presented by Mr. L. E. Weimer, one of Lebanon County's public-spirited and representative citizens.

The Anniversary election is held the first Monday in June on Boston Common, when a captain, first and second lieutenants are chosen by the company, who are then presented by the Governor of the State with their commissions in the field. These officers serve one year only and are not eligible for re-election as their own successors, but go back to the ranks as privates, thus making this unique organization the most democratic company in America.

Originally organized as a training school for officers or "captains of train bands," as they were then designated, it has never lost its distinctive character, and as all of its members have seen service either in the Regular Establishment, United States Volunteers or National Guard, it has been termed the Legion of Honor of Massachusetts military men.

You will doubtless wonder why I, a Marylander and lieutenant-colonel of the 4th Regiment Infantry, M. N. G., should know or care for this Ancient and Honorable Artillery Company of Massachusetts. When they made their Fall Field Day visit to Baltimore in 1896 my regiment escorted them and I was privileged to show them some social and official courtesy. They seemed quite appreciative and captured me by electing me a member, the only one ever so honored, I believe, who was not born in Massachusetts. I have since then participated in several Spring Meetings and have made the Fall Field Day trips to Buffalo, Quebec, Philadelphia and Montreal. Never have I been the recipient of such gallant courtesies, warm-hearted comradeship or true, unaffected American brotherly affection.

Without wishing to detract a single laurel from the wreath of honor that encircles the roster and history of the distinguished and aristocratic City Troop, which has no superior either in America or Europe, I am proud of my membership in a company which has taken part in every war, Colonial, Revolutionary, 1814, Mexican, Civil, and lastly, by no means least, one hundred of its members went to the front in the Spanish-American War.

Fraternally yours,

J. Frank Supplee,

Lieut.-Col. 4th Regt. Inf., M. N. G.

[The Ancient and Honorable Artillery (so-called) Company of Massachusetts no doubt antedates all organizations of its kind in the United States, but there is absolutely no comparison with the First Troop, Philadelphia City Cavalry, which is a practical military organization, having responded as a body to every emergency call since its inception, November 17, 1774.

The "Field Day" junketing trips of the Artillery Company are very interesting and much good fellowship prevails; field day exercises in Pennsylvania mean hard practical military work.—Ed.]

Poison Ivy and its Kindred—With Remarks on other Skin Poisoning Plants

By MAJOR VALERY HOWARD, SURGEON, U. S. ARMY

Poison ivy is such an abundant and dangerous weed in North America, often incapacitating from duty a notable proportion of officers and men at posts, in camps and on the march, that a paper on this subject may be deemed of some military value and therefore an acceptable contribution to the Association.

The *Anacardiaceae*, or Poison Ivy Family, is a large and important family of wide distribution all over the world, but most abundant in tropical and subtropical regions. It furnishes such useful plants as *Pistacia vera* (Pistache), *Shinus molle* (Pepper-tree), *Mangifera Indica* (Mango-tree), *Anacardium occidentale* (Cashew-tree), etc. On the other hand, many species have an acrid caustic juice often causing irritation and inflammation of the skin; this dangerous juice is specially found in *Rhus* (Sumach), a large genus growing in nearly every part of the globe and represented in North America, north of Mexico, by at least seventeen species. These species are not all poisonous; some appear to be quite harmless, for instance, the section characterized by a large compact terminal head of red fruit, including such common plants as *R. glabra* (Smooth Sumach), *R. hirta* (Staghorn Sumach), and *R. copallina* (Dwarf Sumach), in which the acid fruit is used to make a pleasant cooling drink, while the leaves and bark are excellent tanning material. A Pacific coast species, with simple leaves, *R. ovata*, has (says Orcutt) a fruit whose very sour pulp becomes covered with a thin crust of delicious sugar, so that Indians obtain from it all the ingredients of lemonade.

The poisonous section of *Rhus* is characterized by inconspicuous flowers in loose slender clusters or panicles in the axils of the leaves, and grayish-white or yellowish dry fruit. The leaves are either trifoliate; that is, consisting of three leaflets like clover, or else pinnate; that is, with the leaflets arranged along each side of a common stalk. To the trifoliate group belongs Poison Ivy.

The correct botanical name of Poison Ivy is *Rhusradicans*, under which it was first described by Linnaeus, the name *R. toxicodendron* applied by several authors being apparently intended by Linnaeus for a different southern species; but even if these two names be synonymous, that is, referable to the same plant, *radicans* being described before the other in the *Species Plantarum*, has the right of priority. Poison Ivy is such a variable plant that some botanists have been inclined to make two species of it, or at least to distinguish one or two varieties; but longer and more careful observation has shown that its many variations are but the natural and accidental effects of soil, exposure and environment; thus from the same stock we may have stout erect stems 4-6 feet high, and deeply toothed leaves ("Poison Oak"), together with high climbing vines bearing entire leaves; therefore only one species is admissible, without variations sufficient to justify any botanical variety.

Each leaf consists of three leaflets; these are ovate or lozenge-shaped, 1-4 inches long, entire or toothed, pointed, the lateral ones short-stalked and inequilateral, the terminal one longer-stalked. As thus described, the leaves are absolutely characteristic, so that anybody having once looked at a clump of Poison Ivy should be able forever afterward to recognize the plant and never to confound it with anything else. The only shrub with trifoliate leaves in the country, growing as large as Poison Ivy, is *Ptelea trifoliata* (Hop-tree or Shrubby Trefoil), often a small tree, always erect, never climbing, and with round, broadly-winged fruit. The vine often found in company with Poison Ivy is *Ampelopsis quinquefolia* (Virginia Creeper), but the plants are very different, the only common feature being that they both climb; Virginia Creeper has five leaflets instead of three, all of which spread out from a common point like the rays of a fan, and bears conspicuous clusters of purplish-black, juicy berries. It is in fall, winter and spring, after the leaves have fallen, that the plants might be confounded; in Poison Ivy the branchlets are slender, beset more or less with brownish hair-like rootlets, while the leaf-scars are narrow and sharply angular; in Virginia Creeper the branches are thicker, with knobby joints, conspicuous round leaf-scars and (instead of rootlets) tendrils opposite some of the leaf-scars. This ability to recognize branches of Poison Ivy in winter is of importance, since they are practically as poisonous in one season as in another.

Poison Ivy generally climbs if there is any support within reach, clinging to it by means of abundant long fine aerial rootlets; it thus may reach the top of large trees, with spiral stem sometimes 3-4 inches in diameter, and, if able to get plenty of moisture, becomes very ornamental with a dense mass of dark green, glossy foliage. It is one of the most widespread of shrubs, ranging from Nova Scotia across the continent to British Columbia; within the United States it is abundant in the East, but does not extend beyond the Rocky Mountains, except in the Southwest, where it reaches Texas and Utah. It is very hardy, thriving in all soils under the most diverse and adverse climatic conditions, showing a wonderful aptitude of accommodation, and quite difficult of extermination.

It is our best known and most dreaded vegetable cutaneous poison, producing by contact severe eczematous eruption and inflammation. The incubation period (between time of contact and first appearance of inflammation) is usually four or five days, ranging from twenty-four hours to nine days. There is at first, itching, becoming more and more violent, redness and swelling, accompanied with heat and slight fever; then we notice the development of small vesicles, sometimes well marked, but never as characteristic as in eczema, not seldom few and inconspicuous. The primary contact is almost invariably with the hands, but as the skin is comparatively tough and thick, it remains unaffected; the poison takes effect wherever carried by the hands, provided the skin touched be susceptible to its action; the thinner and more delicate the skin, the more readily affected; this is why the eyelids suffer most and generally first; thence the inflammation extends more or less, sometimes involving the whole face and neck, so that the patient may be unable for several days to open his eyes. This inflammation, if left to itself, lasts four or five days and then begins to subside, with a discharge of the vesicles and some desquamation of the skin, a complete cure usually resulting within ten or twenty days.

What is the poisonous principle? This has long remained doubtful; in 1865, Prof. Maisch discovered that the exhalations of the plant have an acid reaction, and described the acid which he obtained as toxicodendric acid, attributing to it all the irritating properties of the plant. This was accepted until last year, when Prof. Franz Pfaff of the Harvard Medical School, after a long series of careful experiments, demonstrated that toxicodendric acid is nothing but acetic acid, while the poisonous agent is a fixed oil which he calls *Toxicodendrol*. It is readily prepared in an impure state (contaminated with another but harmless oil and resinous matter) by extracting the plant with alcohol, distilling off the alcohol, washing the black, oily residue with water and taking it up in ether; the ethereal solution is then washed with water, a dilute solution of sodium carbonate and again with water; by evaporating the ether an oily substance of very dark color is obtained. In this crude state, amounting to 3.3 per cent. in the leaves, and 3.6 per cent. in the fruit, it readily produces the well-known lesions occurring after contact with the plant. In its pure state, toxicodendrol is a most virulent irritant, affecting all people in the minutest doses; thus, in Prof. Pfaff's experiments, even 1-1000 of a milligram dissolved in two drops of olive oil proved to be active in one person.

All parts of Poison Ivy contain toxicodendrol *at all seasons* and are therefore *always* poisonous, the fruit, leaves and roots most so, but even the bare winter vines cannot be handled with impunity; drying lessens slightly but does not eliminate the poison, so that stems cut off and thrown away are still dangerous years afterward. Most people are affected by the juice of the plant rubbed on the skin, but the proportion of persons really susceptible and affected by ordinary contact is small; a warm temperature and perspiration increase the susceptibility; complexion of skin has no effect upon it.

Now comes a pertinent question. If the poisonous principle is non-volatile and only acts by actual contact, whence comes the very general belief that Poison Ivy produces its effects, on susceptible persons, at a distance, without touch, as it were, by exhalations? The answer is:

First. That actual contact with the poison is necessary, but not contact with the plant, and that the poison may be conveyed in various ways; thus any person, animal or object having touched the leaves or stems may carry the poison many days afterward to persons who have been nowhere near the plant; a hand-shake is quite enough. Quite recently, a severe case of face poisoning came to my notice, of a lady who, in her outings, never left the sidewalk; it turned out, on inquiry, that she had caressed a pet dog that had been running through a thicket of Poison Ivy.

Second. That the pollen is a conveyor of the poison; the plant is in bloom in May and June, and the abundant pollen is then undoubtedly blown about long distances; the amount of toxicodendrol thus disseminated can only be infinitesimal, but when we consider its acute virulence, it seems probable enough that susceptible persons are thus reached somewhat in the same manner that hay-fever patients are taken ill on or about August 20th, when the Ragweed (*Ambrosia artemisiacfolia*) blooms out and scatters its pollen.

The treatment is preventive and curative. So far as practicable Poison Ivy should be pulled up and eradicated; mere cutting of the stems will not do, stronger shoots would spring forth later in the season; the roots must be dug up. In the second place, all persons handling Poison Ivy should carefully wash their hands with soap, and then, if possible, with alcohol or ether, so as to remove all traces of adhering poison; they should do that, whether susceptible or not, in order that they may not communicate it to others.

The fact of poisoning is only known, of course, after appearance of the incipient symptoms of itching, redness and swelling; then the first indication is to remove at once all the oil still clinging to the skin, so as to limit to a minimum the area of inflammation and prevent its spreading. For that purpose, the skin should be well washed and scrubbed with warm water and soap, then with alcohol or ether, which dissolves the oil and carries it off. This being done, we apply a solution (the stronger the better) of acetate of lead which forms with the oil a neutral harmless compound. In a few words, we first remove as much of the poison as possible with soap and alcohol, and then neutralize the remainder with lead. The addition of opium to the lead will be useful to relieve the pain. The best application is probably the old-fashioned lead and opium wash which contains also alcohol, a valuable adjunct in any step of the treatment. It is thus seen that, in the use of lead and opium wash, scientific investigation leads to the same results as practical experience. Let us remember that the inflammation is restricted to the point touched by the oil and immediate vicinity; therefore we know that no spreading of it will occur spontaneously; let the patient then abstain from rubbing or scratching the affected part lest he carry the poison to other places; above all, let him beware of touching his eyelids if no talready involved.

Our Improved Hospital Tent, Originated by Asst. Surgeon H. A. Arnold, Medical Department, N. G. P.

There are facts on record which would seem to show that a patient having once suffered from Poison Ivy may have recurrences of the inflammation without fresh contact. These recurrences may be at any time during the year following the primary attack, or may take place periodically, every year, at about the same season. It is so utterly difficult with our present knowledge of the toxic principle of Poison Ivy, to account for such recurrence, that one feels somewhat incredulous about it, and, for my part, I shall wait for more carefully observed facts before considering it a demonstrated phenomenon.

The properties of this plant, taken internally, are feeble and very uncertain; toxicodendrol seems to have no appreciable effect upon mucous membranes. The leaves are official in the United States Pharmacopeia, but there is no reliable evidence anywhere that they have been found useful in any disease, acute or chronic. I have myself administered a strong tincture of the leaves to several patients without any noticeable results.

Horses and cattle are rather fond of the foliage and eat it with impunity; crows and other birds feed on the berries, thus helping in disseminating the plant.

ROSTER.

Governor and Commander-in-Chief,

WILLIAM A. STONE,

Harrisburg, Pa.

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Colonel Frank K. Patterson, General Inspector of Rifle Practice, 237 Fourth avenue, Pittsburg, Pa.
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First Lieutenant, John Norman Henry, 1635 Locust street, Philadelphia, Pa.
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Lieutenant Commander, Joseph M. Mitcheson.
Lieutenant, C. O. Bond.
Lieutenant (J. G.), H. H. Smith.
Lieutenant (J. G.), Wm. J. Rogers.
Surgeon, Joseph Sailer.
Paymaster, Roland L. Taylor.
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Chief Ship's Yeoman, Julius F. Cassel.
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Inspector, Lt. Col. John P. Penney, Pittsburg, Pa.
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Surgeon, Major William J. Ashenfelter, Pottstown, Pa.
Ordnance Officer, Major D. S. B. Chew, City Hall, Philadeiphia.
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A. D. C., Captain Augustus Drum Porter, City Hall, Philadeiphia.
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Ordnance Sergeant, John R. McIntyre.
Color Sergeant, Albert Barras.
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Captain and Adjutant, Fred. Taylor Pusey, Armory, S. E. corner Broad and Callowhill, Philadelphia, Pa.
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First Lieutenant, John H. Maurer, Armory, S. E. corner Broad and Callowhill, Philadelphia, Pa.
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First Lieutenant, Harry A. Mohr, Armory, S. E. corner Broad and Callowhill, Philadelphia, Pa.
Second Lieutenant, Stephen E. Ruth, Armory, S. E. corner Broad and Callowhill, Philadelphia, Pa.

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Second Lieutenant, Wm. O. Lamson, Jr., Armory, S. E. corner Broad and Callowhill, Philadelphia, Pa.

COMPANY M.

Captain, W. Bauer Gray, S. E. corner Broad and Callowhill, Philadelphia, Pa.
First Lieutenant (vacancy—election ordered.)
Second Lieutenant, (election ordered).

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Major, Hamilton D. Turner, 2459 North Nineteenth street, Philadelphia.
Major, Edward S. Williams, 430 Washington avenue, Philadelphia.
Major and Surgeon, Francis R. Packard, 324 South Nineteenth street, Philadelphia.
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Captain and Quartermaster, Charles H. Speckman, 1223 North Eighth street, Philadelphia.
Captain and Chaplain, Rev. Henry C. McCook, 3700 Chestnut street, Philadelphia.
First Lieutenant and Commissary, Wm. C. Carpenter, Jr., 1409 North Sixteenth street, Philadelphia.
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First Lieutenant and Assistant Surgeon, George M. Coates, Penna. Hospital, Philadelphia.
First Lieutenant and Battalion Adjutant, Theo. Steinbach, 1738 South Seventeenth street.
First Lieutenant and Battalion Adjutant, Robert W. King, 5125 Wayne avenue, Germantown.
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First Lieutenant and Paymaster, John A. Franks.
Regimental Sergeant Major, Wm. H. Tobin, 2405 Orianna street.
Regimental Quartermaster Sergeant, John H. Liesee, 332 Emily street.
Commissary Sergeant, vacancy.
Color Sergeant, Thos. J. Farley, 1015 W. Norris street.
Hospital Steward, Henry F. Simons, 1936 N. Sixth street.
Battalion Sergeant Major, Ralph W. Pope, 2433 N. Twenty-ninth street.
Battalion Sergeant Major, Elmo Rorke, 200 N. Sixteenth street.
Battalion Sergeant Major, Jacob Kinkler, Armory.
Chief Musician, Harry M. Staton, Germantown.

COMPANY A.

Captain, Thomas G. Allan, 1858 Taylor street, Philadelphia.
First Lieutenant, Chas. N. Scheuneman, 2511 Harlan street, Philadelphia.
Second Lieutenant, William D. Kearney, Jr., 850 North Ninth street.

COMPANY B.

Captain, Francis W. Leng, 2311 Townsend street, Philadelphia.
First Lieutenant, Boylston J. Lindsay, 1214 Angle street, Philadelphia.
Second Lieutenant, Robt. A. G. Cranston, 1020 Market street.

COMPANY C.

Captain, Benjamin A. Peacock, 3107 Mantua avenue, Philadelphia.
First Lieutenant, Walter G. Scott, 1713 North Sixteenth street, Philadelphia.
Second Lieutenant, P. Aug. Stieff, 706 North Third street.

COMPANY D.

Captain, Jacob H. Geissel, 2520 Brown street, Philadelphia.
First Lieutenant, Harry M. Weber, 2336 Mascher street, Philadelphia.
Second Lieutenant, Charles Theiss, 2626 East Harrold street, Philadelphia.

COMPANY E.

Captain, Lucien M. Wiler, Stenton and Mt. Airy avenues, Germantown.
First Lieutenant, F. A. Hoppe, 1625 Germantown Ave.
Second Lieutenant, L. Ray Topham, 5647 Germantown avenue.

COMPANY F.

Captain, Jesse R. Fifer, 2130 E. Susquehanna avenue.
First Lieutenant, Fred. Sharp, 2834 North Eighth street, Philadelphia.
Second Lieutenant, John H. Beach, 2515 Stanley street.

COMPANY G.

Captain, John T. Hughes, 2223 Van Pelt street, Philadelphia.
First Lieutenant, Charles E. Vattier, 5828 Haverford avenue, Philadelphia.
Second Lieutenant, Jno. T. Davies, 1506 Harrison street, Frankford.

COMPANY H.

Captain, Thomas J. Ross, 2462 Douglass street, Philadelphia.
First Lieutenant, William C. Case, 3441 Lee street, Philadelphia.
Second Lieutenant, Oliver T. Rentschler, 1539 North Eleventh street, Philadelphia.

COMPANY I.

Captain, Theodore Maris.
First Lieutenant, Horace S. Hutchinson, 1527 Centennial avenue, Philadelphia.
Second Lieutenant, Chas. N. Robinson, 304 W. Chelten avenue, Germantown.

COMPANY K.

Captain, Chas. J. Erskine, 1101 Morris street, Phila.
First Lieutenant, Edwin A. Morris.
Second Lieutenant, Elmo Rorke.

COMPANY L.

Captain, Robert F. Campbell, Glenside, Pa.
First Lieutenant, John W. AuRand, 3224 Sansom St., Philadelphia.
Second Lieutenant, vacancy.

COMPANY M.

Captain, William A. Ryan, 5815 Germantown avenue, Germantown.
First Lieutenant, William Tretbar, 3613 North Sixteenth street, Philadelphia.
Second Lieutenant, Herbert W. Elvidge, 136 W. Logan street, Germantown.

THIRD REGIMENT INFANTRY.

(Armory, South Broad near Wharton, Philadelphia.)

Colonel, Robert Ralston, Franklin Building, Twelfth and Walnut streets, Philadelphia.
Lieutenant Colonel, W. G. Price, 800 Land Title Building, Philadelphia.
Major, Robert Cavin, 1403 Reed street, Philadelphia.
Major, B. C. Tilghman, 2210 St. James street, Philadelphia.
Major and Surgeon, Archibald G. Thomson, 1426 Walnut street.
Captain and Adjutant, C. T. Cresswell, 226 South Twenty-first street, Philadelphia.
Captain and Quartermaster, J. Clayton Erb, 1106 Betz Building.
First Lieutenant and Commissary, Samuel A. Boyle, Jr., West End Trust Bldg.
First Lieutenant and Inspector of Rifle Practice, Caldwell K. Biddle, 509 Girard Trust Building.
First Lieutenant and Battalion Adjutant, C. C. Meyers, N. E. corner Tenth and Sansom streets, Philadelphia.
First Lieutenant and Battalion Adjutant, R. W. Gallagher, 1524 S. Fifteenth street, Phila.
First Lieutenant and Battalion Adjutant, vacant.
First Lieutenant and Assistant Surgeon, J. W. Bauman, Telford, Pa.
First Lieutenant and Assistant Surgeon, W. L. Demer, 1638 Vine street, Philadelphia.
Chaplain and Captain, Leverett Bradley, 1217 Spruce street, Philadelphia.

NON-COMMISSIONED STAFF.

Regimental Sergeant Major, Wm. W. Hiler, 2241 Earp street.
Regimental Quartermaster Sergeant, Sharpless W. Brooke, 2560 North Third street.
Regimental Commissary Sergeant, Louis H. Schmidt, 1231 Market street.
Regimental Color Sergeant, George D. Weigner, Twenty-eighth and Brown streets.
Regimental Hospital Steward, Louis Ancker, 1410 Chestnut street.
Chief Musician, Joseph Thickpenny, care of Armory
Battalion Sergeant Major, Edward L. Foote.
Battalion Sergeant Major, Frank Bopple.
Battalion Sergeant Major, Louis Henne.
Principal Musician, J. Saunders.
Principal Musician, J. Lanahan.

COMPANY A.

Captain, G. E. Kemp, 2020 South Sixteenth street, Philadelphia.
First Lieutenant, S. A. O'Brien, 1831 Mountain street. Philadelphia.
Second Lieutenant, W. B. Wilson.

COMPANY B.

Captain Arthur Littler, 2311 North Sixth street, Philadelphia.
First Lieutenant, H. D. Reiss, 3630 Wharton street,
Second Lieutenant, James R. Stewart, 2409 South St.

COMPANY C.

Captain, W. R. Graham, 2113 South Hicks street, Philadelphia.
First Lieutenant, C. J. Prendergast, 2914 Peltz street, Philadelphia.
Second Lieutenant, Edward Kent.

COMPANY D.

Captain, vacant.
First Lieutenant, William H. Davis, care Keystone, Nineteenth and Brown streets, Philadelphia.
Second Lieutenant, John Zimmerman, care of Armory.

COMPANY E.

Captain, Lewis Leyman, 1928 Mifflin street, Philadelphia.
First Lieutenant, F. J. Palmer, Wister street, Germantown, Philadelphia.
Second Lieutenant, H. A. Bitting, 2918 W. Thompson street, Philadelphia.

COMPANY F.

Captain, W. L. Lamont, 1214 Daly street, Philadelphia.
First Lieutenant, Vacant.
Second Lieutenant, Chas P. Wagner.

COMPANY G.

Captain, Anthony F. Machold, 273 S. Eleventh street.
First Lieutenant, James Robinson, care Armory.
Second Lieutenant, Oliver Hough, 325 South Sixteenth street, Philadelphia.

COMPANY H.

Captain, B. B. Osborn, 4812 Beaumont avenue, West Philadelphia.
First Lieutenant, George Christie, 746 Harshaw street, Philadelphia.
Second Lieutenant, J. B. Large, 1170 South Broad street, Philadelphia.

COMPANY I.

Captain, C. J. Hendler, 1731 W. Huntingdon street, Philadelphia.
First Lieutenant, S. C. Thompson, 627 Mercy street, Philadelphia.
Second Lieutenant, Edward Stiles, 2005 Fairmount avenue, Philadelphia.

COMPANY K.

Captain, C. K. Harvey, 4821 Lancaster avenue, Philadelphia.
First Lieutenant, L. B. Milson, Colwyn, Delaware County, Pa.
Second Lieutenant, W. S. Thornley, 808 Capitol street, Philadelphia.

COMPANY L.

Captain, James Hamilton, Jr., 1308 South Seventeenth street, Philadelphia.
First Lieutenant, Geo. M. Hulme, 4901 Cedar avenue, Philadelphia.
Second Lieutenant, L. B. Wilks, 1919 East Lippincott street, Philadelphia.

COMPANY M.

Captain, John Bower, Jr., 1232 Cambria street, Philadelphia.
First Lieutenant, P. A. Bellas, 421 South Forty-fourth street, Philadelphia.
Second Lieutenant, C. O. Sundquist, 2457 North Garnett street, Philadelphia.

SIXTH REGIMENT INFANTRY.

(Headquarters, No. 14 South Penn Square, Philadelphia, Pa.)
Colonel, James B. Coryell, Philadelphia, Pa.
Lieutenant Colonel, Gibbons Gray Cornwall, West Chester, Pa.
Major, Chas. F. Lumb, Philadelphia.
Major, Walter Washabaugh, Chester, Pa.
Lieutenant and Battalion Adjutant, Jno. W. Thompson, Phoenixville, Pa.
Lieutenant and Battalion Adjutant, Charles A. Maginnis, Philadelphia, Pa.
Captain and Quartermaster (Vacancy).
Lieutenant and R. P., E. Claude Goddard, Philadelphia, Pa.
Lieutenant and Battalion Adjutant, Walter E. Baker, Chester, Pa.
Major and Surgeon, John M. B. Ward, Marcus Hook, Pa.
Captain and Assistant Surgeon (Vacancy).
Captain and Adjutant, John Hall Rankin, Phila., Pa.
First Lieutenant and Assistant Surgeon, Herbert A. Arnold, Ardmore, Pa.
Chaplain, Henry Hoyt, Bala, Pa.
First Lieutenant, John T. Duffy, Commissary.

COMPANY A.

Captain, Wm. E. Schuyler, Pottstown, Pa.
First Lieutenant, Charles F. Gruber.
Second Lieutenant, O. E. Gephart.

COMPANY B.

Captain, F. F. Turner, Chester, Pa.
Lieutenant, W. Knowles Evans, Chester, Pa.
Lieutenant, F. H. Shakespeare, Chester, Pa.

COMPANY C.

Captain, Wm. J. Mackem, Chester, Pa.
Lieutenant, Oliver Mahon, Chester, Pa.
Lieutenant, Frank E. Griffith, Chester, Pa.

COMPANY D.

Captain, Louis R. Walters, Phoenixville, Pa.
Lieutenant, Frank R. Crossman, Phoenixville, Pa.
Second Lieutenant, Samuel A. Whitaker.

COMPANY E.

Captain, Leon E. Dagit, Armory, Broad and Race streets, Philadelphia.
First Lieutenant, Charles McMullin, Armory, Broad and Race streets, Philadelphia.
Second Lieutenant, George M. Price, Armory, Broad and Race streets, Philadelphia.

COMPANY F.

Captain, James R. Hunsicker, Norristown, Pa.
First Lieutenant (Vacancy).
Second Lieutenant, H. E. Anderson, Norristown, Pa.

COMPANY G.

Captain, Chas. A. Vandegrift, Doylestown, Pa.
First Lieutenant, J. J. Shellenburger, Doylestown, Pa.
Second Lieutenant, A. M. McReynolds, Doylestown, Pa.

COMPANY H.

Captain, A. Wilson Matthews, Media, Pa.
First Lieutenant, W. C. Tuckerman, Media, Pa.
Second Lieutenant, H. Gratz Marshall.

COMPANY I.

Captain, G. S. Bennett, West Chester, Pa.
First Lieutenant, Herman J. Smith.
Second Lieutenant, George A. Black.

COMPANY K.

Captain, Harry S. Mihlbauer, Armory, Broad and Race streets, Philadelphia.
First Lieutenant, Bernard McCourt, Armory, Broad and Race streets, Philadelphia.
Second Lieutenant (Vacancy).

COMPANY L.

Captain, Jas. L. McBlaine, Armory, Broad and Race streets, Philadelphia.
First Lieutenant, Fred Ammonson, Armory, Broad and Race streets, Philadelphia.
Second Lieutenant, Wm. McClune.

COMPANY M.

Captain, Charles H. Bower, Armory, Broad and Race streets, Philadelphia.
First Lieutenant, Dale B. Lelar, Armory, Broad and Race streets, Philadelphia.
Second Lieutenant, Robert G. Kearney, Armory, Broad and Race streets, Philadelphia.

BATTERY A.

(Armory, Forty-first and Mantua avenue, Philadelphia.)

Captain, Barclay H. Warburton, Armory, Forty-first and Mantua avenue, Philadelphia.
First Lieutenant, Norman MacLeod, Armory, Forty-first and Mantua avenue, Philadelphia.
First Lieutenant, Edgar M. Church, Armory, Forty-first and Mantua avenue, Philadelphia.
Second Lieutenant, Albert Sidney Rambo, Armory Forty-first and Mantua avenue, Philadelphia.
First Lieutenant and Assistant Surgeon, George I MacLeod, Jr., Armory, Forty-first and Mantua avenue, Philadelphia.
First Lieutenant and Quartermaster, Parker Ross Grubb.

FIRST TROOP PHILADELPHIA CITY CAVALRY

(Armory, South Twenty-first street and Barker street, Philadelphia.)

Captain, John C. Groome, 1301 Walnut street.
First Lieutenant, J. Frank McFadden, 121 Chestnut street.
Second Lieutenant, J. Willis Martin, 709 Walnut street.
Cornet, John Wagner, Jr., 233 Dock street.
Surgeon, B. B. Reath, 1538 Pine street.

SECOND TROOP PHILADELPHIA CITY CAVALRY.

(Headquarters, northwest corner Twenty-third and Chestnut streets, Philadelphia, Pa.)
Captain, Frank Earle Schermerhorn, 306 Franklin Building, Twelfth and Walnut streets, Philadelphia.
First Lieutenant, John P. Wood, N. W. cor. Twenty-third and Chestnut streets, Philadelphia, Pa.
Second Lieutenant, Ross De Armond, N. W. cor. Twenty-third and Chestnut sts., Philadelphia, Pa.
First Lieutenant and Assistant Surgeon, W. A. Newman Dorland, 120 S. Seventeenth street, Philadelphia, Pa.
Second Lieutenant and Quartermaster, Randolph Sailer, 929 Chestnut street, Philadelphia, Pa.
First Sergeant, C. E. Schermerhorn, 430 Walnut street.
Quartermaster Sergeant, W. H. Alcock.
Commissary Sergeant, Thomas Wood Andrews.

SECOND BRIGADE.

(Headquarters, Franklin, Pa.)

Brigadier General John A. Wiley, Franklin, Pa.
Major John R. Robertson, Assistant Adjutant General, Pittsburg.
Major Samuel W. Jefferis, Inspector, Pittsburgh, Pa.
Major E. B. McCormick, Judge Advocate, Greensburg.
Major Lewis A. Anshutz, Quartermaster, Pittsburg.
Major W. S. McLain, Commissary, Pittsburg.
Major Lewis T. Brown, Ordnance Officer, Pittsburg.
Major S. G. Milligan, Surgeon, Pittsburg.
Captain Frank Nesbit, A. D. C.

NON-COMMISSIONED.

Sergeant Marshall Phipps, Sergeant Major, Franklin.
Sergeant J. W. Fulton, Quartermaster Sergeant, Allegheny.
Sergeant H. C. Cuthbertson, C. S. Sergeant, Braddock.
Sergeant H. P. Moore, Orderly Sergeant, Pittsburg.
Sergeant MacGill Patterson, Color Sergeant, Pittsburg.
Paul McLain, Musician, Pittsburg.

FIFTH REGIMENT INFANTRY.

(Headquarters, Altoona, Pa.)

Colonel Theodore Burchfield, Altoona.
Lieutenant Colonel, Rufus C. Elder, Lewistown.
Major, John S. Bare, Huntingdon.
Major, John H. West, Hollidaysburg.
Major Surgeon, Andrew S. Stayer, Altoona.
Captain and Adjutant, Elmer K. Roop, care "Times," Altoona, Pa.
Captain and Quartermaster, Charles W. Bathurst, Huntingdon.
First Lieutenant and Commissary, Willard P. Beardsley, Altoona.
First Lieutenant and Assistant Surgeon, Robert G. H. Hayes, Bellefonte.
First Lieutenant and Assistant Surgeon, William A. Simpson, Indiana.
First Lieutenant and Inspector of Rifle Practice David M. Caldwell, Indiana.
Captain and Chaplain, Rev. J. K. Lloyd, Martinsburg, Pa.

Battalion Adjutants.

First Lieutenant, W. E. Mackey, Altoona Pa.
First Lieutenant, James G. Mahaffey, Clearfield, Pa.

NON-COMMISSIONED STAFF.

Regimental Sergeant Major, Joseph Butler, Altoona.
Regimental Quartermaster Sergeant, Herbert E. Burchfeld, Altoona.
Regimental Commissary Sergeant, Bertram Leopold, Altoona.
Regimental Color Sergeant, George H. Schultz, Altoona.
Chief Musician, Frank D. Leipold, Clearfield.
Hospital Steward, Charles R. Simpson, Altoona.
Battalion Sergeant Major, Boyd A. Musser, Bellefonte.
Battalion Sergeant Major, Frank Brehman, Altoona.

COMPANY A, Huntingdon.

Captain, John C. Dunkle.
First Lieutenant, Harry J. Goodman.
Second Lieutenant, Ernest M. Newell.

COMPANY B, Bellefonte.

Captain, Hugh S. Taylor.
First Lieutenant, Charles J. Taylor.
Second Lieutenant, Philip O. Gerberich.

COMPANY C, Hollidaysburg.

Captain, Harry A. Miller.
Second Lieutenant, Chas. A. Beswick.
First Lieutenant, S. Royer Dibert.

COMPANY D, Blairsville.

Captain, George W. Crede, Jr.
First Lieutenant, William G. Reed.
Second Lieutenant, R. H. Wiggins.

COMPANY E, Clearfield.

Captain A. H. Woodward.
First Lieutenant, John L. Watson.
Second Lieutenant, Fred. J. Weaver.

COMPANY F, Indiana.

Captain, Sam. H. Hughes.
First Lieutenant, William F. Elkin.
Second Lieutenant, Harry W. Fee.

COMPANY G, Lewistown.

Captain, William P. Schell.
First Lieutenant, Harry M. Owens.
Second Lieutenant, Charles S. Jones.

COMPANY H, Johnstown.

Captain, Peter Litzell.
First Lieutenant, Rufus A. Adams.
Second Lieutenant, William R. Smith.

TENTH REGIMENT INFANTRY.

(Headquarters, Washington, Pa.)

Colonel, James Elder Barnett, Washington, Pa.
Lieutenant Colonel, Everhart Bierer, Uniontown, Pa.
Major, Harry C. Cuthbertson, New Brighton, Pa.
Major, Thos. S. Crago, Waynesburg, Pa.
Major and Surgeon, George W. Neff, Masontown, Pa.
Captain and Adjutant, Clarence Rehn, Washington, Pa.
Captain and Chaplain, Joseph L. Hunter, Jamestown, Pa.
Captain and Assistant Surgeon, Louis P. McCormick, Connellsville, Pa.
Captain and Asistant Surgeon, John W. Coffin, Beaver Falls, Pa.
Captain and Regimental Quartermaster, John F. Wentling, Greensburg, Pa.
First Lieutenant and Commissary, Blaine Aiken, Washington, Pa.
First Lieutenant and Inspector of Rifle Practice, Moses R. Smith, McKeesport, Pa.
First Lieutenant and Battalion Adjutant, James Harkins, Mt. Pleasant, Pa.
First Lieutenant and Battalion Adjutant, John A. Ewing, Monongahela, Pa.

COMPANY A.

Captain, Robert L. Tidball, Monongahela, Pa.
First Lieutenant, Jonas M. Gee, Monongahela, Pa.
Second Lieutenant, John Daniels, Monongahela, Pa.

COMPANY B.

Captain, Harry J. Watson, New Brighton, Pa.
First Lieutenant, Edwin H. Carey, New Brighton, Pa.
Second Lieutenant, Elmer H. Thomas, New Brighton, Pa.

COMPANY C.

Captain, Daniel M. Bierer, Uniontown, Pa.
First Lieutenant, Robert M. Wood, Uniontown, Pa.
Second Lieutenant, W. L. Semaus, Uniontown, Pa.

COMPANY D.

Captain, Hustead A. Crow, Connellsville, Pa.
First Lieutenant, James A. Stickle, Connellsville, Pa.
Second Lieutenant, Alva M. Walters, Connellsville,

COMPANY E.

Captain, James A. Loar, Mt. Pleasant, Pa.
First Lieutenant, Robert F. Ellis, Mt. Pleasant, Pa.
Second Lieutenant, Charles F. First, Mt. Pleasant, Pa.

COMPANY H.

Captain, Alonzo M. Porter, Washington, Pa.
First Lieutenant, James P. Braden, Washington, Pa.
Second Lieutenant, Philip V. Blond, Washington, Pa.

COMPANY I.

Captain, Richard D. Laird, Greensburg, Pa.
First Lieutenant, Jacob A. Armbrust, Greensburg, Pa.
Second Lieutenant, Augustus C. Remaley, Greensburg, Pa.

COMPANY K.

Captain (vacant).
First Lieutenant, George L. V. Gordon, Waynesburg, Pa.
Second Lieutenant, George Ogden, Waynesburg, Pa.

FOURTEENTH REGIMENT INFANTRY.

(Armory, Diamond street, Pittsburg, Pa.)

Colonel, W. E. Thompson, Pittsburg, Pa.
Lieutenant Colonel, John H. Corbett, Carnegie, Pa.
Major, R. M. Ewing, Wilkinsburg, Pa.
Major, H. D. Fowler, Allegheny, Pa.
Major and Surgeon, Wm. McC. Johnston, Sewickly, Pa.
Captain and Assistant Surgeon, Karl Emmerling, Pittsburg, Pa.
Lieutenant and Assistant Surgeon, J. Lewis Shrodes, Wilkinsburg, Pa.
Captain and Chaplain, Rev. John A. Burnett, Wilkinsburg, Pa.
Captain and Quartermaster, Murray G. Livingston, Pittsburg, Pa.
Captain and Adjutant, Alfred C. McCoy, Pittsburg, Pa.
Lieutenant and Commissary, Wm. J. Sheehan, McKeesport, Pa.
Lieutenant and Inspector Rifle Practice, George B. Shields, Wilkinsburg, Pa.
Lieutenant and Battalion Adjutant, Henry S. Lydick, Pittsburg, Pa.
Lieutenant and Battalion Adjutant, Harry A. Logue, Pittsburg, Pa.
Sergeant Major, Joseph A. Rising, Pittsburg, Pa.
Color Sergeant, John H. Rupert, Pittsburg, Pa.
Quartermaster Sergeant, William L. Dalton, Pittsburg, Pa.
Com.-Sergeant, B. L. Lambert, Allegheny, Pa.
Chief Musician, Vincent Nirella, Pittsburg, Pa.
Battalion Sergeant Major, Charles M. Thompson, Elizabeth, Pa.
Battalion Sergeant Major, Robert S. Faries, Pittsburg, Pa.
Hospital Stewart, Wm. J. Turner, Sewickly, Pa.

COMPANY A.

Captain, A. V. Crookston, Armory, Diamond street, Pittsburg, Pa.
First Lieutenant,Owen H. Garrison, Armory, Diamond street, Pittsburg, Pa.
Second Lieutenant, Samuel Y. Minteer, Armory, Diamond street, Pittsburg, Pa.

COMPANY B.

Captain, Thomas B. Easton, Homestead, Pa.
First Lieutenant, Arthur E. Nicholson, Homestead, Pa.
Second Lieutenant, Thomas G. Stitt, Munhall, Pa.

COMPANY C.

Captain,Harry J. Nesbit, Oakdale Station, Pa.
First Lieutenant, J. C. McEwen, Oakdale Station, Pa.
Second Lieutenant, Wm. M. Shrodes, Oakdale Station, Pa.

COMPANY D.

Captain, Alfred J. McClelland, Allegheny, Pa.
First Lieutenant, Everett P. Sleppy, Allegheny, Pa.
Second Lieutenant, Rob Roy M. Thorn, Allegheny, Pa.

COMPANY E.

Captain, James E. Tillery, Allegheny, Pa.
First Lieutenant, Franklin Blackstone, Allegheny, Pa.
Second Lieutenant, Wm. G. Henderson, Allegheny, Pa.

COMPANY F.

Captain, Wm. S. McKee, Pittsburg, Pa.
First Lieutenant, A. C. Goedell, Pittsburg, Pa.
Second Lieutenant, Harry W. Studt, Pittsburg, Pa.

COMPANY G.

Captain Edwin G. Diehl, Pittsburg, Pa.
First Lieutenant, Wm. G. Rising, Allegheny, Pa.
Second Lieutenant, Albert H. Sunderman, Pittsburg, Pa.

COMPANY H.

Captain, Wm. A. Griscom, Avalon, Pa.
First Lieutenant, Hugo Liedenroth, Bellevue, Pa.
Second Lieutenant, Robert H. Barr, Bellevue, Pa.

COMPANY I.

Captain, Wm. O. McNary, Wilkinsburg, Pa.
First Lieutenant, A. P. Davis, Wilkinsburg, Pa.
Second Lieutenant, Alfred E. Patterson, Wilkinsburg, Pa.

COMPANY K.

Captain, John L. Prestly, Carnegie, Pa.
First Lieutenant, Jos. A. L. Smith, Carnegie, Pa.
Second Lieutenant, John C. King, Carnegie, Pa.

SIXTEENTH REGIMENT INFANTRY.

(Headquarters, Oil City, Pa.)

Colonel, Willis J. Hulings, Oil City, Pa.
Lieutenant Colonel, George C. Rickards, Oil City, Pa.
Major, Fred E. Windsor, Warren, Pa.
Major, James McElhinney, Cooperstown.
Captain and Adjutant, Millard Scheide, Oil City, Pa.
Captain and Quartermaster, W. H. Corrin, Oil City, Pa.
Captain and Chaplain, Ken C. Hays, Meadville, Pa.
Lieutenant and Inspector of Rifle Practice, Thomas Conneely, Bradford, Pa.
Lieutenant and Commissary, William Hilliker, Titusville, Pa.
Lieutenant and Battalion Adjutant, John E. Fennerty, Bradford, Pa.
Lieutenant and Battalion Adjutant, Joseph Crawford, Jr., Bradford, Pa.
Lieutenant and Battalion Adjutant, Chess Lamberton, Franklin, Pa.
Major and Surgeon, James Johnston, Bradford, Pa.
Captain and Assistant Surgeon, William G. Johnston, Titusville, Pa.
Lieutenant and Assistant Surgeon, John W. Wright, Erie, Pa.
Sergeant Major, Fred. P. Barbour, Oil City, Pa.
Quartermaster Sergeant, William S. Couch, Oil City, Pa.
Commissary Sergeant (vacant).
Color Sergeant, Clyde Simmons, Oil City, Pa.
Chief Musician, Charles Brassington, Franklin.
Hospital Steward, Charles A. Ridgway, Hydetown, Pa.
Battalion Sergeant Major, Fred. M. Folk, Kane, Pa.
Battalion Sergeant Major, William E. Slonaker, Cooperstown, Pa.
Battalion Sergeant Major, J. H. Lewis, Erie, Pa.

COMPANY A.

Captain, Clyde Wilcox, Corry, Pa.
First Lieutenant, Lyle Van Vleck, Corry, Pa.
Second Lieutenant, Thomas R. Patton, Corry, Pa.

COMPANY B.

Captain, R. Bruce Gamble, Meadville, Pa.
First Lieutenant, Willis R. Vance, Meadville, Pa.
Second Lieutenant, Norman Affentranger, Meadville, Pa.

COMPANY C.

Captain, A. D. Burns, Bradford, Pa.
First Lieutenant, George E. Slone, Bradford, Pa.
Second Lieutenant Jos. F. Robinson, Bradford, Pa.

COMPANY D.

Captain, James Hasson, Oil City, Pa.
First Lieutenant, Harry Rogers, Oil City, Pa.
Second Lieutenant, John H. Camp, Oil City, Pa.

COMPANY E.

Captain, H. B. Bradley, Cooperstown, Pa.
First Lieutenant, J. M. Arters, Plum, Pa.
Second Lieutenant, Wm. H. Robertson, Cooperstown.

COMPANY F.

Captain, Frank Barr, Franklin, Pa.
First Lieutenant, Chris. T. Johnson, Franklin, Pa.
Second Lieutenant, Burt S. Shafer, Franklin, Pa.

COMPANY G.

Captain, Ralph B. Sterrett, Erie, Pa.
First Lieutenant, Charles E. Spencer, Erie, Pa.
Second Lieutenant, Henry Pudenz, Erie, Pa.

COMPANY H.

Captain, Alonzo M. Ent, Ridgway, Pa.
First Lieutenant, D. J. Driscoll, Ridgway, Pa.
Second Lieutenant, John L. Park, Ridgway, Pa.

COMPANY I.

Captain, D. F. Wheelock, Warren, Pa.
First Lieutenant, Wm. Tribble, Warren, Pa.
Second Lieutenant, F. M. Hartman, Warren, Pa.

COMPANY K.

Captain, John H. Martin, Greenville, Pa.
First Lieutenant, J. Walter Carnes, Greenville, Pa.
Second Lieutenant, George W. Boulger, Greenville, Pa.

COMPANY L.

Captain, Joseph F. Moore, Butler, Pa.
First Lieutenant, John J. Martin, Butler, Pa.
Second Lieutenant, Thomas McK. McKee.

COMPANY M.

Captain, Theodore J. Robinson, Grove City, Pa.
First Lieutenant, John W. Borland, London, Pa.
Second Lieutenant, Albert H. McCoy, Grove City, Pa.

EIGHTEENTH REGIMENT INFANTRY.

(Armory, Diamond street and Old avenue, Pittsburg, Pa.)

Colonel, Frank I. Rutledge, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Lieutenant Colonel, J. Conrad Kay, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Major, Richard W. A. Simmons, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Major, John H. Rust, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Major and Surgeon, C. C. Wiley, Pittsburg, Pa.
Captain and Adjutant, Fred. W. Eggers.
Captain and Regimental Quartermaster, G. H. Bennett, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant and Assistant Surgeon, Benedict Stewart Ralston, Pittsburg, Pa.
First Lieutenant and Assistant Surgeon, Edward Stieren.
Captain and Chaplain, Jesse Penney Martin.
First Lieutenant and Regimental Commissary, Harry C. Rook, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant and Regimental Inspector of Rifle Practice, Thomas J. Keneker, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant and Battalion Adjutant, Frank S. Guthrie,Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant and Battalion Adjutant, G. W. Wattles, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant and Battalion Adjutant, J. C. Rothrum, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY A.

Captain James L. Barton, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant, Elmer Heckman, Pittsburg, Pa.
Second Lieutenant, Edward C. Menke, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY B.

Captain, Charles C. Huff, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant, Edward Lee Kearns, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Second Lieutenant, Harvey Lee Cochran, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY C.

Captain, Edwin M. Hukill, Jr., Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant, William H. Taylor, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Second Lieutenant, Alfred N. Riddle, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY D.

Captain, Charles L. Sharp, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant, John J. Wilson, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Second Lieutenant, John P. O'Neill, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY E.

Captain, Wm. K. Reifsnyder, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant Edward N. Parker, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Second Lieutenant, William T. Moke, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY F.

Captain, Samuel W. Jefferis, Jr., Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant, James H. K. Duff, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Second Lieutenant, Roland J. Morgan, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY G.

Captain, Albert W. Obert, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant, John G. Ennis, Armory, Diamond street and Old avenue, Pittsburg, Pa.
Second Lieutenant, William P. Ramsey, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY H.

Captain, James A. Stout, Armory, Diamond street and Old avenue, Pittsburg, Pa.
First Lieutenant, John W. Keating, Armory, Diamond street and Old avenue, Pitts burg, Pa.
Second Lieutenant, Albert M. Duff, Armory, Diamond street and Old avenue, Pittsburg, Pa.

COMPANY I.

Captain, Harry L. McKain, Armory, Wylie avenue, Pittsburg, Pa.
First Lieutenant, Alfred R Cratty,, Armory, Wylie avenue, Pittsburg, Pa.
Second Lieutenant, George W. Brawner, Armory, Wylie avenue, Pittsburg, Pa

COMPANY K.

Captain, James E. McNary, Armory, Shady avenue, Pittsburg, Pa.
First Lieutenant, John B. Guthrie, Armory, Shady avenue, Pittsburg, Pa.
Second Lieutenant, Charles T. Elliott, Armory, Shady avenue, Pittsburg, Pa.

COMPANY L.

Captain, Alexander J. Henderson, Armory, Wylie avenue, Pittsburg, Pa.
First Lieutenant, Rudolph H. Schaffer, Armory, Wylie avenue, Pittsburg, Pa.
Second Lieutenant, Leo Eugene Smith, Armory, Wylie avenue, Pittsburg, Pa.

COMPANY M.

Captain, Lauris L. Carson, Armory, Wylie avenue, Pittsburg, Pa.
First Lieutenant, George B. Lane, Armory, Wylie avenue, Pittsburg, Pa.
Second Lieutenant, Edward M. Iland, Armory, Wylie avenue, Pittsburg, Pa.

BATTERY B.

(Armory, corner Rose and Devillers, street, Pittsburg.)
Captain, William C. Wallace, Ingram, Pa.
First Lieutenant, Ed. Eichenlaub, Jr., 510 Smithfield street, Pittsburg, Pa.
First Lieutenant, A. W. Marks, 2308 Perrysville avenue, Allegheny, Pa.
First Lieutenant and Assistant Surgeon, Andrew L. Russell, Midway, Pa.
Second Lieutenant, William T. Rees, 209 Erin street, Pittsburg.
Second Lieutenant and Quartermaster, Heber McDowell, Court House, Pittsburg.
First Sergeant, Clarence H. Powell, 5018 Blair street, Pittsburgh, Pa.
Quartermaster Sergeant, Horace R. Mentzer, 1 Dinwiddie street, Pittsburgh, Pa.
Commissary Sergeant, John S. Perucker, 712 Filbert street, Pittsburgh, Pa.
Stable and Veterinary Sergeant, Walter N. Douglas, Carnegie, Pa.
Hospital Steward, G. T. Bundy, 24 Washington avenue, Pittsburg, Pa.

SHERIDAN TROOP.

Captain, Charles S. W. Jones, Tyrone, Pa.
First Lieutenant, Luther F. Crawford, Tyrone, Pa.
Second Lieutenant, Harry S. Fleck, Tyrone, Pa.
First Lieutenant and Assistant Surgeon, John L. Brubaker, Kipple, Pa.
Second Lieutenant and Quartermaster, Robert A. Zentmyer, Spruce Creek, Pa.
Quartermaster Sergeant, William E. Moore.
Commissary Sergeant, J. Howard Lotz.

THIRD BRIGADE.

Brigadier General, J. P. S. Gobin, Lebanon, Pa.
Assistant Adjutant General, Milton A. Gherst, Lebanon, Pa.
Inspector, Major William S. Millar, Scranton, Pa.
Judge Advocate, Major Norman L. Farquar, Pottsville, Pa.
Quartermaster, Orlando L. Nichols.
Commissary of Subsistence, Simon B. Cameron, Marietta, Pa.
Surgeon, George B. Halberstadt, Pottsville, Pa.
Ordnance Officer, Major Wm. P. Clark, Williamsport, Pa.
Aide-de-Camp, Captain William W. Inglis, Scranton,
Aide-de-Camp, Fred R. Drake, Easton, Pa.

FOURTH REGIMENT INFANTRY.

(Headquarters, Allentown, Pa.)

Colonel, Christopher T. O'Neill, Allentown, Pa.
Lieutenant Colonel, John P. Earnest, Pine Grove, Pa.
Major, William D. Mickley, Allentown, Pa.
Major, Edward B. Eckman, Columbia, Pa.
Major and Surgeon, Morris F. Cawley, Allentown, Pa.
First Lieutenant and Assistant Surgeon, George F. Potteiger, Hamburg, Pa.
First Lieutenant and Assistant Surgeon, George W. Farquhar, Pottsville, Pa.
Captain and Chaplain, Charles Schall, Easton, Pa.
Captain and Adjutant, Frank D. Beary, Allentown, Pa.
Captain and Regimental Quartermaster, Lewis L. Roney, Allentown, Pa.
First Lieutenant and Regimental Commissary, Joseph W. Adams, South Bethlehem, Pa.
First Lieutenant and Regimental Inspector of Rifle Practice, Charles M. Plank, Reading, Pa.
First Lieutenant and Battalion Adjutant, C. Arthur Wagner, Allentown, Pa.
First Lieutenant and Battalion Adjutant, Hugh McAllister North, Jr., Columbia, Pa.

NON-COMMISSIONED STAFF.

Sergeant Major, Ernest H. Gross, Allentown, Pa.
Quartermaster Sergeant, R. Otto Wollmuth, Allentown, Pa.
Commissiary Sergeant, Edward A. Moyer, Pottsville.
Color Sergeant, Charles M. Uhl, Allentown, Pa.
Hospital Steward, Frank P. Keck, Laury's, Pa.
Chief Musician, Martin Klingler, Allentown, Pa.
Battalion Sergeant Majors, Frank M. Cooper, Pottsville, Edward D. Fried, Allentown, Pa.

COMPANY A.

Captain, Edward E. Machamer, Reading, Pa.
First Lieutenant, Harry S. Schuck, Reading, Pa.
Second Lieutenant, Edward S. Illig, Reading, Pa.

COMPANY B.

Captain, James A. Medlar, Allentown, Pa.
First Lieutenant, Charles D. Rhoades, Allentown, Pa.
Second Lieutenant, Orlando C. Miller, Allentown, Pa.

COMPANY C.

Captain, Edward C. Shannon, Columbia, Pa.
First Lieutenant, Harry E. Hasselbach, Columbia, Pa.
Second Lieutenant, Joseph W. Sheckard, Columbia,

COMPANY D.

Captain, Charles Spangler, Allentown, Pa.
First Lieutenant, Evan S. Wittemeyer, Allentown, Pa.
Second Lieutenant, George H. Schillinger, Allentown.

COMPANY E.

Captain, Charles F. Seaman, Hamburg, Pa.
First Lieutenant, William Seaman, Hamburg, Pa.
Second Lieutenant, Wilson H. Lewars, Hamburg, Pa.

COMPANY F.

Captain, James Archbald, Jr., Pottsville, Pa.
First Lieutenant, Clyde G. Allan, Pottsville, Pa.
Second Lieutenant, George R. Kalbach, Pottsville, Pa.

COMPANY G.

Captain, James W. Umbenhauer, Pine Grove, Pa.
First Lieutenant, William H. Heisler, Pine Grove, Pa.
Second Lieutenant, John Rausch, Pine Grove, Pa.

COMPANY H.

Captain, Marshall L. Case, Lebanon, Pa.
First Lieutenant, J. M. Shindel, Lebanon, Pa.
Second Lieutenant, Howard M. Bright, Lebanon, Pa.

COMPANY I.

Captain, Harry M. Phillippi, Reading, Pa.
First Lieutenant, Harry G. Wendler, Reading, Pa.
Second Lieutenant, Warren S. Buckwalter, Reading,

COMPANY K.

Captain, John M. Groff, Lancaster, Pa.
First Lieutenant, Quintin O. Reitzel, Lancaster, Pa.
Second Lieutenant, Harry E. Edgerley, Lancaster, Pa.

EIGHTH REGIMENT INFANTRY.

Colonel, Theodore F. Hoffman, Pottsville, Pa.
Lieutenant Colonel, Joseph B. Hutchison, Harrisburg,
Major, William H. Holmes, Saint Clair, Pa.
Major, William G. Speck, Carlisle, Pa.
Captain and Adjutant, John G. Gilbert, Harrisburg Pa.
Captain and Quartermaster, Livingston V. Rausch, Mahanoy City, Pa.
Captain and Chaplain, Daniel Eberly, Hanover, Pa.
First Lieutenant and Commissary, Harry C. Hoffman, Pottsville, Pa.
First Lieutenant and Inspector of Rifle Practice, Edwin R. Bergstresser, Harrisburg, Pa.
First Lieutenant and Battalion Adjutant, J. Milton Boone, Saint Clair, Pa.
First Lieutenant and Battalion Adjutant, James B. McCalley, Harrisburg, Pa.
Major and Surgeon, Ralph W. Montelius, Mount Carmel, Pa.
First Lieutenant and Assistant Surgeon, J. Mark Peters, Steelton, Pa.
First Lieutenant and Assistant Surgeon, A. F. Bronson, Girardville, Pa.
Sergeant Major, Geo. F. Osler, Shamokin, Pa.
Quartermaster Sergeant, Abraham Musser, York, Pa.
Commissary Sergeant, Fred W. Huston, Harrisburg.
Color Sergeant, Edwin S. Stine, Pottsville.
Hospital Steward, E. L. Speer, Chambersburg.
Chief Musician, John Glover, Tamaqua.
Battalion Sergeant Major, M. P. Moore, Carlisle.
Battalion Sergeant Major, Linn Zulick, Orwigsburg,

COMPANY A.

Captain, Adam Garver, York, Pa.
First Lieutenant, George Lentz, York, Pa.
Second Lieutenant, Calvin A. Seidenstricker, York, Pa.

COMPANY B.

Captain, Harry B. C. Russell, Tamaqua, Pa.
First Lieutenant, George B. Kline, Tamaqua, Pa.
Second Lieutenant, Charles C. Bischoff, Tamaqua, Pa.

COMPANY C.

Captain Edw. S. Heefner, Chambersburg, Pa.
First Lieutenant, John Sherman Smith, Chambersburg, Pa.
Second Lieutenant, John G. Wiestling, Chambersburg, Pa.

COMPANY D.

Captain, J. Barkley Fisher, Harrisburg, Pa.
First Lieutenant, vacancy, caused by resignation; no election yet.
Second Lieutenant, Frank H. Mikle, Harrisburg, Pa.

COMPANY E.

Captain, Jacob Britz, Mahanoy City, Pa.
First Lieutenant, Harry R. Bricker, Mahanoy City,
Second Lieutenant, Jesse Webb, Mahanoy City, Pa.

COMPANY F.

Captain, John F. Barnhard, Girardville, Pa.
First Lieutenant, William Lishman, Girardville, Pa.
Second Lieutenant, Harry Ellis, Girardville, Pa.

COMPANY G.

Captain, Elisha M. Vale, Carlisle, Pa.
First Lieutenant, Ralph C. Crow, Carlisle, Pa.
Second Lieutenant, J. Adair Herman, Carlisle, Pa.

COMPANY H.

Captain, John Owens, Pottsville, Pa.
First Lieutenant, James W. Hoepstine, Jr., Pottsville,
Second Lieutenant, Elmer E. Hoffman, Pottsville, Pa.

COMPANY I.

Captain, Maurice E. Finney, Harrisburg, Pa.
First Lieutenant, Nicholas Tack, Harrisburg, Pa.
Second Lieutenant, Harry C. Houtz, Harrisburg, Pa.

COMPANY K.

Captain, John J. Duffy, Saint Clair, Pa.
First Lieutenant, Maurice J. Connors, Saint Clair, Pa.
Second Lieutenant, Geo. E. Smith, Saint Clair, Pa.

NINTH REGIMENT INFANTRY.

(Headquarters, Wilkes-Barre, Pa.)

Colonel, C. Bow Dougherty, Wilkes-Barre, Pa.
Lieutenant Colonel, George W. Wallace, Parsons, Pa.
Major, F. L. McKee, Plymouth, Pa.
Major, William Sharpe, Wilkes-Barre, Pa.
Surgeon, W. S. Stewart, Wilkes-Barre, Pa.
Adjutant, H. G. Frantz, Wilkes-Barre, Pa.
Quartermaster, George R. McLean, Wilkes-Barre, Pa.
Assistant Surgeon, W. G. Weaver, Wilkes-Barre, Pa.
Assistant Surgeon, C. H. Miner, Wilkes-Barre, Pa.
Chaplain, W. DeF. Johnson, Wilkes-Barre, Pa.
Battalion Adjutant, R. S. Mercur, Centralia, Pa.
Battalion Adjutant, G. F. Buss, Pittston, Pa.
Battalion Adjutant, Carleton C. Jones, Wilkes-Barre,
Inspector Rifle Practice, Fred. C. Bennett, Pittston, Pa.
Commissary, F. G. Darte, Wilkes-Barre, Pa.

NON-COMMISSIONED STAFF.

Sergeant Major, E. Frank Hartland, Wilkes-Barre, Pa.
Quartermaster Sergeant, Wm. H. McCarthy, Miners Mills, Pa.
Commissary Sergeant, Walter S. Quick, Wilkes-Barre,
Color Sergeant, Chas. F. Boldt, Wilkes-Barre, Pa.
Chief Musician, James I. Alexander, Wilkes-Barre, Pa.
Battalion Sergeant Major, S. C. Reichard, Wilkes-Barre, Pa.
Battalion Sergeant Major, J. A. MacFarlane, Plymouth, Pa.
Battalion Sergeant Major, Louis J. Howell, Wilkes-Barre, Pa.
Hospital Steward, W. Clive Smith, Wilkes-Barre, Pa.

COMPANY A.

Captain, Frank Deitrick, Wilkes-Barre, Pa.
First Lieutenant, John A. MacCallum.
Second, Lieutenant, W. S. Norton, Wilkes-Barre, Pa

COMPANY B.

Captain, J. C. Kenny, Wilkes-Barre, Pa.
First Lieutenant, J. A. Kenny, Wilkes-Barre, Pa.
Second Lieutenant, B. B. Dimmick, Wilkes-Barre, Pa.

COMPANY C.

Captain, Chas. S. Colony, Pittston, Pa.
First Lieutenant, Robert C. Holmes, Pittston, Pa.
Second Lieutenant, Wm. A. Francis, Pittston, Pa.

COMPANY D.

Captain, E. D. Camp, Wilkes-Barre, Pa.
First Lieutenant, Wm. J. Weitzel, Wilkes-Barre, Pa.
Second Lieutenant, C. F. Feuerstein, Wilkes-Barre,

COMPANY E.

Captain, E. R. Williams, Parsons, Pa.
First Lieutenant, E. Williams, Parsons, Pa.
Second Lieutenant, R. Horn, Parsons, Pa.

COMPANY F.

Captain, C. M. Turpin, Kingston, Pa.
First Lieutenant, Claude R. Grosser, Wilkes-Barre,
Second Lieutenant, Harry B. Alworth, Wilkes-Barre,

COMPANY G.

Captain, A. Lee, Hazleton, Pa.
First Lieutenant, Calvin Pardee, Jr., Hazleton, Pa.
Second Lieutenant, W. I. Ravert, Hazleton, Pa.

COMPANY H.

Captain, M. J. Brennan, Pittston, Pa.
First Lieutenant, E. J. Dougher, Pittston, Pa.
Second Lieutenant, W. Collier, Pittston, Pa.

COMPANY I.

Captain, H. W. Pierce, Plymouth Pa.
First Lieutenant, A. McDaniels, Plymouth, Pa.
Second Lieutenant, W. F. Powell, Plymouth, Pa.

COMPANY K.

Captain, Jno. Coolbaugh, Wilkes-Barre, Pa.
First Lieutenant, Walter C. Sterling, Wilkes-Barre, Pa.
Second Lieutenant, vacancy.

COMPANY L.

Captain, J. A. Dewey, Wanamie, Pa.
First Lieutenant, Geo. Evans, Wanamie, Pa.
Second Lieutenant, Edwin Jones, Wanamie, Pa.

COMPANY M.

Captain, F. P. Cosper, Pittston, Pa.
First Lieutenant, B. S. Emory, Pittston, Pa.
Second Lieutenant, Walter S. Barritt, Pittston, Pa.

TWELFTH REGIMENT INFANTRY.

(Headquarters, Sunbury, Pa.)

Colonel, C. M. Clement, Sunbury, Pa.
Lieutenant Colonel, William F. Barber, Lewisburg, Pa.
Major, Charles P. Gearhart, Danville, Pa.
Major, Benj. H. Updegraff, Williamsport, Pa.
Major, Waldo W. Hull, M. D., Williamsport, Pa.
Captain, M. H. Taggart, Northumberland, Pa.
Captain, John V. Lesher, Sunbury, Pa.
Lieutenant, Fred. A. Godcharles, Milton, Pa.
Lieutenant, F. E. Drumheller, M. D., Sunbury, Pa.
Lieutenant, Clarence Forseman, Williamsport, Pa.
Lieutenant, Hubert H. Russell, Williamsport, Pa.
Lieutenant, William C. Dickerman, Milton, Pa.
Lieutenant, Edward Lyon, M. D., Williamsport, Pa.
Sergeant Major, George E. Deppen, Sunbury, Pa.
Sergeant Quartermaster, W. C. Gretzinger, Lewisburg.
Sergeant Commissary, Edw. E. Adams, Williamsport.
Sergeant Color, William P. Swartz, Williamsport, Pa.
Chief Musician, Benj. A. Gaskins, Sunbury, Pa.
Sergeant Major Battalion, William Straley, Williamsport, Pa.
Sergeant Major Battalion,
Hospital Steward, Joel Garrison, Williamsport, Pa.

COMPANY A.

Captain, William R. Follmer, Lewisburg, Pa.
Lieutenant, Wallace W. Fetzer, Lewisburg, Pa.
Second Lieutenant, Thompson H. Morrow, Lewisburg.

COMPANY B.

Captain, James K. Rathmell, Williamsport, Pa.
Lieutenant, Charles W. Heilhecker, Williamsport, Pa.
Second Lieutenant, Milton Tharp, Williamsport, Pa.

COMPANY C.

Captain, William H. Straub, Milton, Pa.
Lieutenant, H. Budd Cannon, Milton, Pa.
Second Lieutenant, Harry W. Chamberlin, Milton, Pa.

COMPANY D.

Captain, George D. Snyder, Williamsport, Pa.
Lieutenant, William G. Stair, Williamsport, Pa.
Second Lieutenant, Willis H. Castner, Williamsport.

COMPANY E.

Captain, John W. Weaver, Sunbury, Pa.
Lieutenant, Samuel E. Elliott, Sunbury, Pa.
Second Lieutenant, Lucian H. Guyon, Sunbury, Pa.

COMPANY F.

Captain, J. Beaver Gearhart, Danville, Pa.
Lieutenant, Frank M. Herrington, Danville, Pa.
Second Lieutenant, William L. Clark, Danville, Pa.

COMPANY G.

Captain, Frederick A. Snyder, Williamsport, Pa.
Lieutenant, D. H. Foresman, Williamsport, Pa.
Second Lieutenant, Geo. P. Foresman, Williamsport.

COMPANY H.

Captain, William A. Simpson, Jr., Lock Haven, Pa.
Lieutenant, James I. Paul, Lock Haven, Pa.
Second Lieutenant, Carpenter G. Winslow, Lock Haven, Pa.

COMPANY I.

Captain, Lewis J. Fisher, Williamsport, Pa.
Lieutenant, John B. Beck, Williamsport, Pa.
Second Lieutenant, Howard Galbraith, Williamsport.

COMPANY K.

Captain, William H. Helm, Sunbury, Pa.
Lieutenant, George W Arnold, Sunbury, Pa.
Second Lieutenant, Henry T. Eckert, Jr. Sunbury, Pa.

THIRTEENTH REGIMENT INFANTRY.

(Headquarters, Scranton, Pa.)

Colonel, Louis A. Watres, Scranton, Pa.
Lieutenant Colonel, Frederick W. Stillwell, Scranton.
Major, B. Rush Field, Easton, Pa.
Major, Frank Robling, Jr., Scranton, Pa.
Major and Surgeon, William G. Fulton, Scranton, Pa.
First Lieutenant and Assistant Surgeon, George A. Blanchard
First Lieutenant and Assistant Surgeon, W. E. Keller.
Captain and Chaplain, William H. Swift, Honesdale.
Captain and Adjutant, Dolph B. Atherton, Scranton.
Captain and Regimental Quartermaster, Frank M. Vandling, Scranton, Pa.
First Lieutenant and Regimental Commissary, George H. Whitney, Honesdale, Pa.
First Lieutenant and Regimental Inspector of Rifle practice, Geo. C. Merriman (acting).
First Lieutenant and Battalion Adjutant, David J. Davis, Scranton, Pa.
First Lieutenant and Battalion Adjutant, Wm. B. Newberry, Easton, Pa.
First Lieutenant and Battalion Adjutant, Walter E. Canster, Scranton, Pa.
Regimental Sergeant Major, J. M. Edwards, Scranton.
Quartermaster Sergeant, W. S. Gould, Scranton.
Commissary Sergeant, Harry Heermans, Scranton.
Hospital Steward, Joseph Baumeister, Scranton.
Color Sergeant, Charles Sicler, Scranton.
Chief Musician, R. J. Bauer, Scranton.
Battalion Sergeant Major, R. J. Bourke, Scranton.
Battalion Sergeant Major, Edward Frear, Scranton.
Battalion Sergeant Major, Frank X. Wasman, Honesdale, Pa.

COMPANY A.

Captain, Thos. G. Gillman, Scranton, Pa.
First Lieutenant, Geo. L. Daley, Scranton, Pa.
Second Lieutenant, Geo. H. Russ, Jr., Scranton, Pa.

COMPANY B.

Captain, John W. Kambeck, Scranton, Pa.
First Lieutenant, Elmer E. Berry, Scranton, Pa.
Second Lieutenant, Guy R. Relph, Scranton, Pa.

COMPANY C.

Captain, Edward H. Burkhouse, Scranton, Pa.
First Lieutenant, Joseph F. Helriegel, Scranton, Pa.
Second Lieutenant, Ray G. Smith, Scranton, Pa.

COMPANY D.

Captain, Arthur R. Foote, Scranton, Pa.
First Lieutenant, Ezra H. Ripple, Jr., Scranton, Pa.
Second Lieutenant, Thos. Russell, Jr., Scranton, Pa.

COMPANY E.

Captain, Nelson E. Bigelow, Honesdale, Pa.
First Lieutenant, Edward E. Welch, Honesdale, Pa.
Second Lieutenant, Walter M. Whitney, Honesdale, Pa.

COMPANY F.

Captain, Fremont Stokes, Scranton, Pa.
First Lieutenant, Geo. C. Merriman, Scranton, Pa.
Second Lieutenant, Franklin Henshaw, Scranton, Pa.

COMPANY G.

Captain, John G. Harrington, Montrose, Pa.
First Lieutenant, Richard A. Watrous, Montrose, Pa.
Second Lieutenant, Leon Barron, Montrose, Pa.

COMPANY H.

Captain, John L. Huff, Scranton, Pa.
First Lieutenant, Thomas E. Mills, Scranton, Pa.
Second Lieutenant, Walter Finn.

COMPANY I.

Captain, vacancy
First Lieutenant, Robert T. Horn, Easton, Pa.
Second Lieutenant, Maurice Clemens, Easton, Pa.

COMPANY K.

Captain, Burson W. Bevens, Scranton, Pa.
First Lieutenant, Milton O'Connell, Scranton, Pa.
Second Lieutenant, Isaac Brown, Scranton, Pa.

COMPANY L.

Captain, William A. Raub, Scranton, Pa.
First Lieutenant, David W. Davies, Scranton, Pa.
Second Lieutenant, Robert W. Cooper, Scranton, Pa

BATTERY C.

(Headquarters, Phoenixville, Pa.)

Captain, Francis M. Bean, Phoenixville, Pa.
First Lieutenant, Sr., William F. Fulmer, Phoenixville, Pa.
First Lieutenant, Jr., Alexander Wilkinson, Phoenixville, Pa.
Second Lieutenant, Jacob Bartzer, Phoenixville, Pa.
Second Lieutenant and Quartermaster, Howard S. Williams, Phoenixville, Pa.
First Lieutenant and Surgeon, vacant.

GOVERNOR'S TROOP.

(Headquarters, Harrisburg, Pa.)

Captain, Frederick M. Ott, Harrisburg, Pa.
First Lieutenant, Charles P. Meck, Harrisburg, Pa.
Second Lieutenant, John M. Major, Harrisburg, Pa.
First Lieutenant and Assistant Surgeon, vacancy.
Second Lieutenant and Quartermaster, Edgar C. Hummel, Harrisburg, Pa.
First Sergeant, S. Frank Westen, Harrisburg.
Quartermaster Sergeant, Jonas K. Reist, Harrisburg.
Commissary Sergeant, Joseph J. Weaver, Harrisburg.

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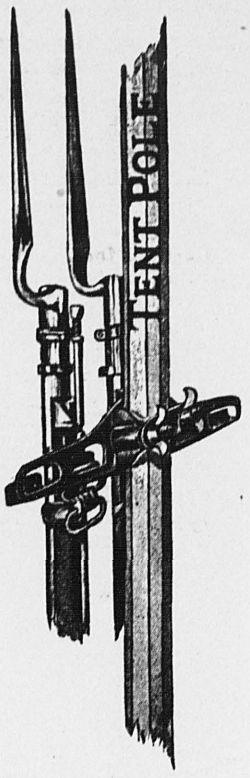

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Back of Rack showing how it is attached to Tent Pole.

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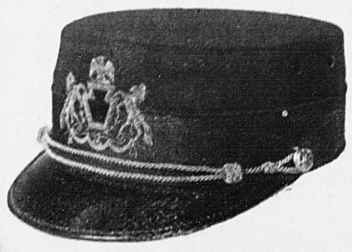

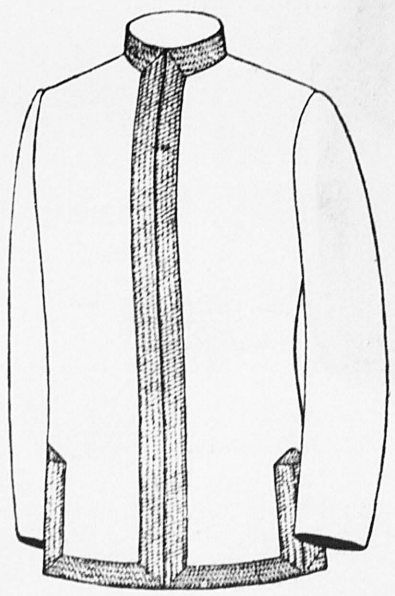

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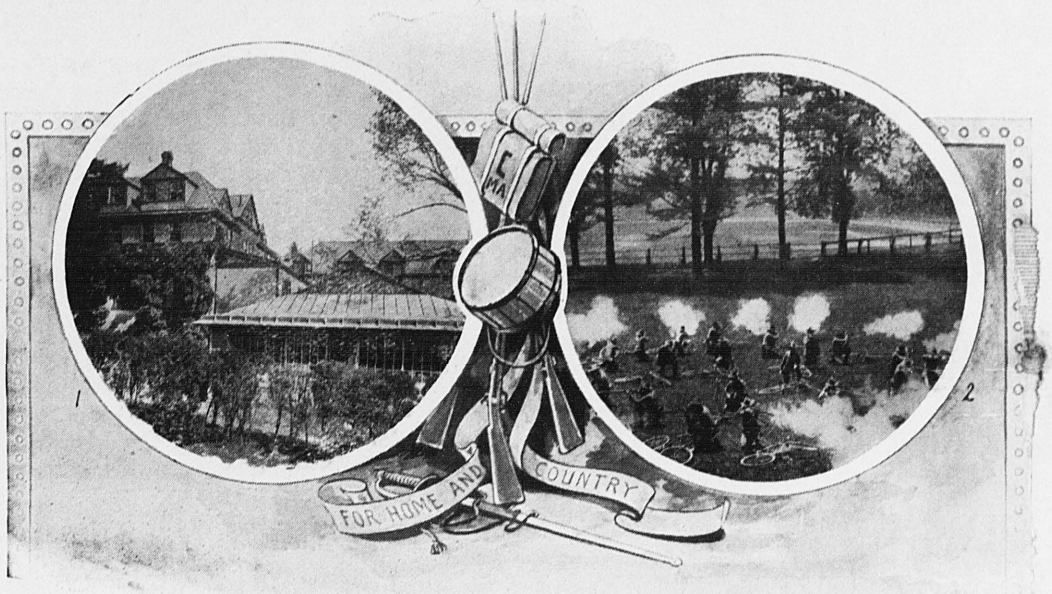

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